connections

NEW Products & Special Offers

Issue 3

A small selection from the 5000+ AV products on www.keene.co.uk

keene
Established in 1988
Trading online since 1996

HDMI 1:2 Distribution

The Coosis 2 way HDMI Distribution amplifier is a compact device that gives two simultaneous HDMI outputs from one HDMI input, ideal for viewing on multiple displays. The Coosis units can also be cascaded together in a "pyramid" network to provide a one-to-many solution.

Please note: If the max resolutions of your displays are different, the EDID functionality will detect all the connected displays' EDID nformation and auto-match the output resolution to the lower one. For example, if one display supports 720P resolution and the rests support 1080P, the signal will be lowered to 720p for all displays.

The quality of an HDMI cable has a great impact on signal transmission. For best image quality, we suggest you use a copper based HDMI cable.

Max. recommended cable length after amplifier: 10 metres

Package contents:

1 X Coosis 2 way HDMI Distribution amplifier

1 X Power Supply (+5V DC, 1A)

1 X User Manual

Our best selling HDMI splitter!

Code HDC12 **£34.99**

HDMI Over Your Mains Wiring!

- At last – send an HDMI signal from one place to another without having to run any extra cables.
- Ultra simple, plug & Play installation.
- Watch up to 2 (HD) devices such as Blu-ray® players, DVRs, HD set-top boxes, game consoles etc, and easily switch between the sources connected without changing plugs
- The built-in HDMI splitter means that you can continue to watch the connected devices locally
- Operate your A/V sources from anywhere, even through a wall or cupboard door, using the IR receiver
- No extra cables to run, just plug into your mains sockets
- Digitally supports all 480p, 720p, 1080i and 1080
- Infra Red feedback for control of source devices

New product! See Page 16

Code HDTVA £279.00

Twin USB Charger Mains Socket

A great solution for modern life! Simply replace some of your mains outlets with these and you'll never be without an easy way to charge your phone/tablet/camera/MP3 player. Ideal for households where the chargers never quite seem to stay where you put them, and it also frees up your mains sockets again. Easy to install, the faceplate will fit into any standard double backbox (minimum depth of 25mm).

Surge and spike protected

2A intelligent split allowing optimum USB charging rate rather than a reduced slower rate

New product! See Page 21

Code TGUSB £14.99

Easy IR Control for Multiple Sky receivers

- Individually control up to four SkyHD Satellite receivers in the same location
- Prevents all receivers responding at the same time
- Use the original IR Remote Controls
- Also acts as an IR sender for your other AV equipment in the same cabinet
- Easy to set-up - no programming skills needed

New product! See Page 25

Code IR4SKY £89.99

Audio	2-7	HDMI Solutions	14-19	AV Supports	30
AV Switching & Distribution	8-9	Power Solutions	20	Camera Supports	31
Conversion & Distribution	10-11	AV Plates & Panels	21	Audio – Microphones	32
HDMI Cables	12	IR Control Solutions	22-28	D-SLR	34-35
CAT5 & Networking Cabling	13	IR & AV Cables	29	AV Accessories	36

Order Now 01332 830550
Monday to Friday 9.00am and 5.00pm

For more new products and bargains visit
www.keene.co.uk

KLAB In-Wall Amplifiers

You quite often want to listen to some music in other rooms in your house, such as kitchens, bedrooms bathrooms & studies. The problem usually is space. You can fit flush mount loudspeakers into ceilings and walls without much difficulty but that still leaves the problem of where to put the amplifier. To solve this problem Keene designed the KLAB series of in-wall audio amplifiers built into a standard two gang pattress. These will fit flush to the wall (or can be surface mounted if preferred) and deliver 2 x 20W RMS of amplification. That's a proper, true 20W RMS of power as well unlike most of the ridiculous "maximum" or PMPO ratings you commonly see quoted, a true 20W RMS delivers enough power to satisfy even the most party-inclined teenager.

The recommended power supply for the KLAB series is rated at 15v DC a 4.0. The KLAB amplifiers can also be powered from a 12v DC supply (for easy use in boats, caravans & motor homes) although the maximum output power will be slightly reduced.

There are three models in the range; Analogue, Digital and Bluetooth.

GREAT VALUE

KLAB20
analogue

The KLAB & KLABF amplifiers can be configured via PCB links to operate in fixed gain mode for commercial and industrial applications. This enables the amplifier to perform at a predetermined level (usually 100%) as soon as power is applied.

KLAB Analogue Models

The Analogue models are built into a metal two gang pattress. The line level audio input connection is direct to the PCB at the rear, and control is via infra red remote control.

Features:

- 20 RMS per channel output
- Rear line level audio input
- Infra Red remote control

Code KLAB20	(Amplifier & Remote)	£87.00
Code KLABKIT	(Amplifier, PSU & Remote)	£111.00
Code KLABPSU	(15v DC 4A power supply)	£29.99

The Keene KLAB can be purchased with either a white or a translucent frosted style front panel.

Code KLAB20F	(Amplifier & Remote, frosted)	£87.00
Code KLABKITF	(Amp, PSU & Remote, frosted)	£111.00
Code KLABPSU	(15v DC 4A power supply)	£29.99

KLAB20F
analogue

KLAB Digital Models

The Digital models Class D Amplifiers for maximum efficiency. This design allows the PCB to be mounted directly onto the front panel rather than built into the pattress as with the analogue version. In addition to the rear line level input this model also incorporates a front (jack socket) audio input and built in FM radio with a ten channel memory.

Features:

- 20 RMS per channel output
- Class D digital circuitry
- Built in FM Radio
- Front 3.5mm input jack for MP3 players
- Rear line level audio input
- Push button or IR remote control
- Smooth tactile moisture resistant front panel
- Flush mount or surface mount (25mm depth)

Code KLAB20D	(Amp & Remote, grey)	£125.99
Code KLABKITD	(Amp, PSU & Remote, grey)	£149.99
Code KLABPSU	(15v DC 4A power supply)	£29.99

The Keene KLAB20D can be purchased with either a grey or white fascia surround.

Code KLAB20DW	(Amp & Remote, white)	£125.99
Code KLABKITDW	(Amp, PSU & Remote white)	£149.99
Code KLABPSU	(15v DC 4A power supply)	£29.99

KLAB20D
digital

KLAB20DW
digital white

KLAB Bluetooth Digital Models

These models add Bluetooth capability to the KLAB Digital Amplifiers so you can stream audio wirelessly from your phone or tablet.

Features:

- 20 RMS per channel output
- Bluetooth connectivity
- Class D digital circuitry
- Built in FM Radio
- Front 3.5mm input jack for MP3 players
- Rear line level audio input
- Push button or IR remote control
- Smooth tactile moisture resistant front panel
- Flush mount or surface mount (25mm depth)

Code KLAB20DB	(Bluetooth Amp & Remote, white)	£149.99
Code KLABKITDB	(Bluetooth Amp, PSU & Remote white)	£179.99

The Bluetooth KLAB20DB can be purchased with either a grey or white fascia surround.

Code KLAB20DBG	(Bluetooth Amp & Remote, grey)	£149.99
Code KLABKITDBG	(Bluetooth Amp, PSU & Remote, grey)	£179.99

KLAB20DB
bluetooth white

KLAB20DBG
bluetooth grey

KLABPSU
worldwide input

KRC1
remote control

Architectural Speakers for use in Walls or Ceilings

- Pivotal tweeters allow high frequencies to be focussed
- Removable mesh grills
- Frame allows for ceiling or wall board mount without extra brackets
- 8 ohms

203mm Circular CMS5U

- Frequency response: 80Hz - 20kHz
- Power: 25W RMS
- Overall Diameter: 203mm
- Panel cut out: 165mm
- Sound pressure level: 89dB

273mm Circular CMS8U

- Frequency response: 60Hz - 20kHz
- Power: 30W RMS
- Overall diameter 273mm
- Panel cut-out 238mm
- Sound pressure level: 90dB

Code CMS5U		£69.99
Code CMS8U		£89.99

Rectangular B411A

- Directable Titanium dome tweeter
- Power: 50W RMS
- Overall Dimensions: 305x218x77mm
- Cut-Out Dimensions: 275x185mm
- Frequency response: 80-20kHz

Rectangular Subwoofer B415A

- Frequency response: 30Hz - 3kHz
- Power: 90W RMS
- Overall Dimensions: 367x367x88mm
- Cut-Out Dimensions: 329x329mm
- Impedance 8 Ohms

Code B411A	(per pair)	£34.99
Code B415A	(single speaker)	£34.99

Single Speaker with Dual Coil & Stereo Connections

Ideal for smaller installations where you don't really have the room or need to fit two loudspeakers, this provides both left and right stereo channels from a single point, whilst maintaining channel separation. The speaker has twin connections so you simply run both left and right speaker cables to it.

- Frequency response: 70Hz - 20kHz
- Power: 25W + 25W RMS
- Overall Dimensions: 227x86mm
- Cut-Out Dimensions: 193mm
- Impedance 2 x 8 Ohms

Code CMS65S	(single speaker)	£29.99

Moisture Resistant Speakers for use in Walls or Ceilings

High quality moisture resistant speakers suitable for PA installations in swimming pools, bathrooms, shower rooms, saunas and tanning rooms etc.

148mm Circular CMS5MR

- Frequency response: 80Hz - 20kHz
- Power: 35W RMS
- Overall Diameter: 148mm
- Panel cut out: 112mm
- IP35 rated

180mm Circular CMS8MR

- Frequency response: 80Hz - 20kHz
- Power: 40W RMS
- Overall Diameter: 180mm
- Panel cut out: 132mm
- IP35 rated

Code CMS5MR	(per pair)	£34.99
Code CMS8MR	(per pair)	£39.99

254mm Square B414C

- Frequency response: 40Hz - 20kHz
- Power: 90W RMS
- Overall Dimensions: 254x254x87mm
- Cut-Out Dimensions: 219x219mm
- Moisture Resistant Design

Subwoofer B403A

- Frequency response: 30Hz - 4kHz
- Power: 220W (max)
- Overall Diameter: 268mm
- Panel cut out: 232mm x 177mm deep
- Impedance 8 Ohms
- Moisture Resistant Design

Code B414C	(per pair)	£39.99
Code B403A	(single speaker)	£27.99

PACKAGE DEAL

Amplifier kit with Speakers Special Offer

KLABKITD plus a pair of CMS5U Code KLAB20DC5	£189.99
KLABKITD plus a pair of CMS8U Code KLAB20DC8	£229.99

Digital In-Wall Slave Amplifier

If you are sending a line level signal to a room then sometimes you'll have direct control of the source and just want to amplify the audio signal in the room without needing any other form of control. The Keene KLAB20DS slave amplifier will do this job perfectly. It is designed to be a fit and forget solution to powering additional and remote pairs of loudspeakers. Once installed it will automatically switch on whenever audio is detected and switch back again to an ultra-low power standby mode when no audio signal is present. Ideal for feeding line outputs from from say Squeezebox, Sonos etc.

Code KLAB20DS	(Amplifier only)	£109.99
Code KLABKITDS	(Amplifier & PSU)	£129.99
Code KLABPSU	(15v DC 4A power supply)	£29.99

Bookshelf Speakers

High quality 4" dual cone, full range mini box speakers. Solid ABS Construction with Quick Connect Speaker Terminals.

- 4" Full Range Mini Box Speaker System
- Dual Cone Full Range Speakers
- 12 Oz Shielded Magnet
- Power 80 W Max
- Quick Connect Speaker Terminals
- Dimensions (mm) 120x120x132
- Impedance 8 Ohms
- Power 40W RMS
- Frequency Response 80Hz-20kHz

Code B406A	BLACK (per pair)	£18.99
Code B405A	WHITE (per pair)	£18.99

HQ Wall mounted loudspeaker volume control

Suitable for UK standard electrical double pattresses (47mm deep). White facia with chrome colour knob. High efficiency (transformer) design with max power handling of 60W rms. Will accept cable up to 2.5mm dia. Connect in-line between amplifier and speaker.

Code BT936 **£24.99**

Wireless Audio Sender

A Sender/Receiver pair designed to transmit audio wirelessly around your house. Take the line (or headphone) output from your PC, TV or music system and sonnect it the Sender, then connect the line output from the receiver back into the remote amplifer in the room you want to listen in. The sender and receiver will automatically pair so there's nothing to configure. Additional receivers can be added for a one-to-many solution.

Code AA625 (Sender & Receiver Pair) **£48.56**
Code AA625R (Additional Receiver) **£29.66**

2-Way Speaker Selector Switch

The B-Tech BT12 Allows a second pair of loudspeakers to be connected to your amplifier with switch select for either pair or both. (screw terminal connections suitable for cable up to 2.5mm diameter.

Features:

- Designed to allow the use of two pairs of speakers with one amplifier
- Speaker selector switch to play either pair of speakers or both at the same time
- Suitable for loudspeakers from 4ohms to 16ohms
- Screw terminals for strong connection and minimal loss
- Strong, stylish metal casing
- Accepts loudspeaker cable up to 2.5mm diameter
- 150 watts RMS per channel rating

Code BT12 **£13.99**

8-Way Speaker Selector Switch

This switcher unit allows the distribution of a stereo amplifier. Simply connect the speaker output of an amplifier to the box, this output can then be distributed to up to eight different stereo speaker sets in eight different locations, each speaker set can be individually activated via the push buttons on the front of the box. Ideally suited for buildings where an independent sound control is required for different rooms or zones. Enables eight pairs of speakers to be connected to a single stereo amplifier.

Specifications:

- Heavy duty push-buttons
- Built-in overload protection
- Spring clip terminals
- Designed for 4-16 ohms speakers
- Wiring Gauge 14 to 22 gauge
- Input 1 x stereo
- Output 8 x stereo
- Power per channel 100W max
- Dimensions 432 x 125 x 55mm
- Weight 2.08kg

Code 8WLS **£29.00**

2x4 Speaker Matrix Switch with Volume Control

This matrix switcher for stereo amplifiers has 2 inputs and 4 outputs. Any of the inputs may be routed to any of the outputs, or the same input may be routed to all outputs or any combination. Simply connect the output of the amplifiers to the inputs, these inputs can then be routed to four different stereo speaker sets in four different locations, each speaker set can be individually activated via the push buttons on the front of the box and individual volume controls.

Enables four pairs of speakers to be connected to two separate amplifiers.

Features:

- Heavy-duty push-buttons
- Built-in overload protection
- Designed for 4-16 ohm speakers
- Black aluminium housing
- Individual volume controls with black aluminium finish
- Accepts up to 14 gauge speaker cable
- Individual A/B switch per zone
- Wiring Gauge14 to 22 gauge

Specifications:

- Inputs: 2 x stereo
- Outputs: 4 x stereo @ 4 to 16 ohms
- Power per channel: 100W max
- Dimensions: 432 x 133 x 64mm
- Weight: 3.67kg

Code 24LMS **£99.99**

Wireless Surround Speaker Connection Kit

Connect your present home cinema rear speakers wirelessly; no more loose cables in your living room. Uncompressed digital transfer ensures sound that goes beyond CD quality, without interference or delay.
The built-in amplifier in the receiver provides more than enough power for your rear surround speakers. Automatic ON/OFF function of both transmitter and receiver for trouble-free use. The volume is adjusted with your own remote, because the transmitter is directly connected to the speaker output. Local volume on transmitter and receiver for the correct balance between front - and rear speakers.

Code SA220 **£89.96**

Wireless Speakers

- Enjoy your complete music collection anywhere in and around your home (bath room, kitchen, shed, etc.) wirelessly
- Garden party, BBQ or a romantic evening with just the two of you on the balcony? Create the perfect atmosphere with matching music
- Optimal music perception through high quality, omni directional two-way audio technology. The sound is spread 360°
- The speakers are splash-proof and fine for use in the bathroom
- Because of the wireless technology you can place the speakers wherever you want. Because of the optional battery power you don't even need a socket
- Use your iPod, radio or anything with a headphone socket as the source
- Easy to install and to use; automatic frequency tuning and maintenance because of Auto Tuning and PLL function

Code SA352U **£69.26**

Speaker Outlet Wall Plates

Twin 4mm Binding Posts

Wall outlet plate with 2 pairs of colour coded gold plated binding posts. Fits a standard one gang patress. Solder tag connection on rear.

Code HCP20 **£11.99**

Single 4mm Binding Posts

Wall outlet plate with a single pair of colour coded gold plated binding posts. Fits a standard one gang patress. Solder tag connection on rear.

Code HCP5 **£9.99**

Single Spring Clip

Wall outlet plate with a single pair of loudspeaker spring clip terminals. Fits a standard one gang patress. Solder tag connection on rear.

Code HCP16 **£3.99**

Twin Spring Clip

Wall outlet plate with two pairs of loudspeaker spring clip terminals. Fits a standard one gang patress. Solder tag connection on rear.

Code HCP17 **£5.99**

Twin 4mm Socket

Wall outlet plate with two pairs of "banana" type 4mm loudspeaker sockets. Fits a standard one gang patress. Solder tag connection on rear.

Code HCP18 **£4.99**

Email your order to us at **sales@keene.co.uk**

Bluetooth Digital Amplifier

Get your old passive speakers from the loft now, and start using them again! This is a compact powerful digital amplifer that will connect directly to passive speakers and allows you to use Bluetooth to stream music or internet radio from your smartphone or tablet directly on your own passive speakers. Powerful 2x40W RMS rating will drive your old hi-fi speakers to a good volume. Can also be used with new wall/ceiling speakers in the kitchen, bath, bedroom or study.

Specifications:

Supply voltage: 100-240VAC 36V 2500mA

Output Power: 2 x 40 W (rms)

Range: Up to 10 metres with Class 2 source, Up to 30 metres with Class 1 source.

Frequency response: 20 Hz - 20 kHz

Standby Power Consumption: < 2W

Power efficiency: 93%

Channel separation: 77 dB

LED: Link

size (W x D x H): 91 x 86 x 19 mm

Code BB430 **£76.95**

Digital Audio Lip-Sync Corrector

The definitive answer to lip sync error for up to four sources! Do you sometimes get frustrated by the lip-synch errors when viewing? It occurs because of a delay introduced by the processing of the picture. The audio doesnt go through the same processing hence the audio appears ahead of the image. If you use an AV amplifier for your sound then we have a solution - the Felston DD740 digital audio delay module. It allows easy adjustable audio delay allowing you to get everything back in perfect sync. There are four inputs and you can switch and adjust from your armchair with the supplied remote.

- 680ms delay (340ms for 96kHz signals)
- On-the-fly adjustment with no image overlay
- Tweaking in 1ms and 1/3ms steps
- 36 preset delays for instant recall
- Fully featured remote control with numeric keypad for discrete delay entry
- Discrete input switching, with input's last delay restored
- Automatic optical-to-coax/coax-to-optical conversion
- 4 digital audio inputs, 2 digital audio outputs (optical and coax)
- Adjustable display brightness
- Discrete IR commands for integration with learning remotes
- No effect on audio quality thanks to bit-perfect reproduction

Code DD740 **£169.00**

Sound Level Meter Digital Display

How well set up is your home cinema system? How low does your subwoofer go? Find out for certain with a sound level meter. Great value for money, this gives you the accuracy you need to fine tune your system.

- Built in microphone
- Seven selectable frequency ranges
- Phono output (for connection to external equipment).
- FAST & SLOW response settings
- Weighting selector 'A' for Human ear bias or 'C' for full frequency range
- Peak level hold
- Easy to read 21-bar graphical display
- Size (approx): 159 x 64 x 48mm
- Power: PP3 type 9v battery (not supplied)

Code SLM2055 **£39.99**

4x1 Digital Audio Switch

The AU-D41 Optical Audio Switcher has four optical inputs and one optical output. This device allows users with multiple optical sources connection for one output display. All signal are bypassed without delay. The device has last memory function and IR remote control

Features:

- 4 input digital optical audio switcher.
- Optical sampling rate supports up to 192 kHz.
- Up to 24bit resolutions.
- Low power consumption.
- PCM2, AC3/5.1, Dolby 5.1 & DTS 5.1 pass through.
- Amplifies Optical (Toslink) output, extending another 5 metres.
- Supplied with IR remote control.

Code AUD41 **£59.00**

Harmony Headphone Amplifier

The Harmony Headphone Amplifier takes line level input and provides stereo headphone amplification. It can be controlled via IR remote or front panel push buttons. It can be used for any purpose where line stereo level audio is required to be amplified to headphone level. It is particularly suited to TV viewing applications, where one person listening via headphones can set their own personal volume without affecting the normal audio output for anyone viewing normally.

Specifications:

- Audio Input: 2 x RCA phono
- Audio output: 1 x 3.5mm stereo jack socket
- Power: 12V DC 200mA (UK mains adaptor supplied)
- Dimensions: 90 x 76 x 44mm
- Weight: 170g (exc. cables & supply)

BULK PRICING (50+) and OEM AVAILABLE on this product

Code HHAMP **£54.99**

Audio Ground Loop Isolator

A low level filter designed to isolate the ground between source and amplification to prevent noise or hum. Can be used for in-car applications to eliminate alternator and engine noise or any audio installation that suffers from ground loop (mains) hum. Simple in-line connections (phono plugs to phono sockets) make for easy installation and no external power is required. Gold plated connections.

Code AGLI **£6.99**

Coaxial/Toslink to L/R Stereo Audio Convertor

This neat audio convertor will convert the selected switched signal, either coaxial (RCA) or optical (Toslink) and convert the digital signal to analogue audio with a left and right output.

Specifications:

- Input: 1 x Toslink (Fibre Optic) & 1 Coaxial (RCA)
- Outputs: 2 x RCA's (Left and Right)

Code AUD3192 **£39.99**

Analogue Audio Lip Sync Corrector

This analogue stereo Lip Sync Corrector is a small device for delaying audio signal to overcome audio sync issues. The AU-D18 Lip Sync corrector is able to adjust the timing to the display/amplifier so that users may received both video and audio in sync. No more annoying sound mismatch. The Lip SyncCorrector is easy to use with a simple setup and an affordable unit for sound delaying.

Features:

- Lip Sync corrector with adjustable delay between 0 & 300ms
- Sample Rates 48 kHz
- Analogue to analogue signal bypass
- Low power consumption

Specifications:

- Inputs 2 x Analogue Audio (L/R stereo)
- Outputs 2 x Analogue Audio (L/R stereo)
- Power 5V/1A DC
- Dimensions 45(D) x 45(W) x 25(H)mm.

Code AUD18 **£58.00**

AU-11SA4K Audience HDMI Audio De-Embedder Repeater

The AU-11SA-4K is an advanced solution for HDMI to HDMI repeating with Audio de-embedding. Its compatible with v1.4 HDMI specifications, a cutting edge technology which defines the transfer of Ultra High video resolutions up to 4K, 3D signals, and deep colour (12 bit) video with a high bandwidth of up to 3.00Gbps per channel. Connect to source and display (HDMI), select the required audio format & output your audio format to your amplifier.This device has advanced firmware allowing audio to be de-embedded without the need to connect the HDMI display (no sink-end required).

Features:

- HDMI audio de-embedder with built in repeater
- Supports 3D signals and 4K resolutions
- Corrects digital error and automatically provides equalisation up to 40dB

- Supports uncompressed digital LPCM 7.1 / 5.1 or 2 channels & compressed digital Bitstream through HDMI input and output ports
- Supports LPCM 7.1 / 5.1 or 2 channels output through multi-channel output ports
- Supports digital Dolby 5.1/ 2 and LPCM 2 channel output through Optical Toslink

Code AU11SA4K **£191.53**

HDMI Audio Inserter Embedder with 4K Support

The AU-11CA-4K Audio Embedder lets you insert an external audio signal into any HDMI source. The device allows you to insert analogue or digital stereo and multi-channel digital surround sound signals (via Optical) to give users the capability to overcome audio issues within complex HDMI installation. The AU-11CA-4K also repeats the HDMI signal to allow an extended total HDMI cable range. This device supports 4K resolutions enabling flexible audio signal management into ultra high definition video signal paths.

Features:

- Compliant with HDMI, HDCP 1.2 and DVI 1.0
- Supports HDMI & Optical Sample Rate up to 192 kHz
- Supports LPCM Stereo, DTS and Dolby Digital via Optical input
- Supports up to 24bit resolution digital audio
- HDMI cable distance testing showed that with 1080p 8bit/12bit resolution, the input/output distance is up to 10 meters
- Low power consumption
- 4K HDMI Support

Specification:

- Inputs 1 x HDMI, 1 x Optical, 1 x Analogue Stereo (2 x RCA)
- Outputs 1 x HDMI

Code AU11CA4K **£172.37**

Digital Audio over CAT6

The PU-304-KIT is designed to send digital audio signals over 150m. This device supports both Coaxial and Optical signals and can transmit these signals up to 150m. The PU-304-KIT can be powered using a USB cable or the supplied PSU adaptor for added flexibility in a compact design. Digital SPDIF signals are supported up to a sample rate of 96Khz, and support for Stereo and Multichannel digital audio (LPCM, DTS, Dolby Digital, Dolby Digital Plus), also provided.

Features

- Supports Coaxial or Optical digital audio SPDIF signals
- Supports Stereo and Multichannel digital audio (LPCM, DTS, Dolby Digital, Dolby Digital Plus)
- Supports sample rate up to 96kHz
- Dual transmission 1 x Coaxial and 1 x Optical
- Signals can be extended over single CAT5e/CAT6 up to 150m
- Power 5V/1A, DC (US/EU standards, CE/FCC/UL certified)
- Dimension: PU-304RX) 55mm (W) x 85mm (D) x 22mm (H) (PU-304TX) 55mm (W) x 85mm (D) x 22mm (H)

Code PU304 **£115.44**

HDMI Audio De-Embedder with built in repeater & 4K Support

The AU-11CD-4K is an advanced solution for repeating HDMI with integrated Audio de-embedding, up to 5.1. Connect the AU-11CD-K between your source and display via HDMI, and select the audio format required. This device supports 4K resolutions enabling flexible audio signal management from ultra high definition video signal paths.

Features:

- Compliant with HDMI, HDCP 1.2 and DVI 1.0
- Supports HDMI Sample Rates up to 192 kHz
- Supports Optical Sample Rate up to 192 kHz
- Supports TMDS clock frequency rate 300 MHz
- Supports high-bit-rate (HBR) audio
- Input and Output HDMI cable length can run up to 10m at 1080p 8bit resolution
- Low power consumption
- Support built-in audio EDID switch of LPCM2, 5.1/7.1 or Bitstream
- No HDMI output connection is required to receive audio at the analogue and optical outputs

Specification:

- Inputs 1 x HDMI
- Outputs 1 x HDMI, 1 x Optical (Toslink), 1 x Analogue Audio L/R (minijack)
- Power 5V/1.2A, DC (US/EU standards, CE/FCC/UL certified)
- Dimensions 90mm (W) x 85mm (D) x 35mm (H)

Code AU11CD4K **£172.37**

Digital audio convertors

ATC to convert analogue stereo audio signal from R/L input to Coaxial and TOSLINK outputs simultaneously. The output digital audio signal is 2-channel uncompressed LPCM (Linear Pulse Code Modulation) with sampling rate at 48 KHz.

TAC to convert Coaxial or TOSLINK digital audio signals in to analogue L/R audio via standard RCA jacks. Supports sampling rate at 32, 44.1, 48 and 96 KHz 24-bit S/PDIF incoming bit stream on left and right channels

Code ATC	analogue to digital	**£29.99**
Code TAC	digital to analogue	**£24.99**

DAC Digital to Analogue audio with USB interface

DAC with USB audio interface and headphone amplifier. The most affordable and effective way to upgrade any CD/DVD player, computer, games console or network device to high-end sound quality. The DAC has one optical, one coaxial, and one USB inputs for up to three digital sources.

DAC is the ideal convertor for music lovers seeking an excellent value upgrade to 24 bit advanced HD (high definition) audio.

Code DAC **£34.00**

HDMI Audio Extractor

The HDMI Audio Extractor is a device that allows you to extract audio signals from your HDMI source. When connecting with a TV or display you dont always get great audio, or in the case of a display, no audio at all, so with this Audio Extractor you can take your original HDMI audio signal and convert it to Digital Toslink or analogue L/R audio. What this means is that you can output your audio signal to external speakers or extend your audio signal, the HDMI Audio Extractor is the perfect choice.

Features:

Compliant with HDMI 1.3, HDCP 1.2 and DVI 1.0

Supports HDMI Sample Rates up to 192 kHz

Supports Optical Sample Rate up to 48 kHz

Supports TMDS clock frequency rate 225MHz

Supports high-bit-rate (HBR) audio

HDMI cable distance testing showed that with 1080p 8bit resolution, the input & output can run up to 15 meters

Low power consumption

Supports built-in audio EDID switch of LPCM2,5.1/7.1 or Bit stream

Specifications:

Input Port 1 x HDMI

HDMI Sample Frequency Up to 192 kHz

Optical Sample Frequency Up to 48 kHz

Output Ports: 1 x HDMI, 1 x Optical, 1 x analogue L/R

HDMI Audio Format: PCM2/5.1/7.1, Dolby 5.1, DTS 5.1, DD+, D-True HD, DTS-HD

Optical Audio Format: PCM2, Dolby 5.1, DTS 5.1

L/R Audio Format: LPCM2

Code HDMIAE **£59.99**

Audio Only Source to HDMI Bridge

The AU-11HB Audio Source to HDMI Bridge is designed integrate audio only sources into HDMI video distribution systems. It will accept digital (optical) or analogue (L/R Stereo) audio signals and output them over HDMI. This clever device also adds a 'blue-screen' video feed into the HDMI signal path so that any HDMI AV receiver or display will accept the audio signal for sound reproduction. It allows audio from any source to be easily integrated into a HDMI system, very useful when distributing via an HDMI or HDBaseT matrix, great for systems such as SONOS etc.

Code AU11HB **£164.64**

HDMI Audio Amplifier

This is effectively an HDMI switcher that allow you to embed or de-embed audio from multiple sources. It delivers a powerful 30W per channel and has IP connectivity for easy ipad/tablet control. Well worth a look for any AV multi-room installation.

Features:

- 30W per channel digital stereo Amplifier
- Inputs: HDMI x 2, 1 x L/R Stereo audio, 1 x Optical, 1 x Digital Co-Ax, 1 x 3.5mm Stereo
- Outputs: 1 x HDMI, 1 x Optical, 1 x Digital Co-Ax, 1 x L/R Stereo (Line Level output), Speaker Terminals
- Control via remote control, RS-232 or IP (Web GUI or Telnet)
- Dedicated Microphone input for commercial application
- Supports Digital to Analogue (DAC) and Analogue to Digital (ADC) conversion
- Simultaneous audio outputs
- Compact design for remote application

Specifications:

Inputs 2x HDMI [2x HDMI Uncompressed AV and Data]

1x XLR [1x Microphone]

1x Toslink [1x Optical - 2 Channel LPCM]

1x RCA [1x Coaxial - 2 Channel LPCM]

2x RCA [1x Analogue - Stereo (L/R)]

1x 3.5mm Stereo mini-jack [1x Analogue - Stereo(L/R)]

1x RJ45 [1x IP Control]

1x 3.5mm Stereo mini-jack [1x Infra Red Receiver]

1x 9pin Dsub [1x RS-232 Data]

Outputs 1x HDMI [1x HDMI Uncompressed AV and Data]

1x Toslink [1x Optical - 2 Channel LPCM]

1x RCA [1x Coaxial - 2 Channel LPCM]

2x RCA [1x Analogue - Stereo (L/R)]

4x Speaker Binding Posts [1x Speaker Level Stereo Output]

PSU: 24V/4.16A

Dimensions 255mm [W] x 170mm [D] x 48mm [H]

Code AUA300 **£395.03**

HDMI Audio Amplifier with HDBaseT

All the features of the AUA300 above with the added benefit of integrated HDBaseT input and output. This means it can be used for creating additional HDBaseT zones or used to repeat the signal to further HDBaseT 2-Channel Digital AV Receivers.

Code AUA300HBT **£574.61**

Bi-Directional Digital Audio over Single CAT Extender set

The PU-305BD-KIT is an extender set designed to send digital audio signals up to 300m over CAT5e/6 cable infrastructure. This device is Bi-Directional and supports Digital Optical signals allowing transmission up to 300m at 96KHz sample rate, or 100m at 192KHz sample rate.This extender set also supports RS-232 signals over the same CAT5e/6 cable. The PU-305BD-KIT can be powered at either end using the supplied PSU adaptor for added flexibility. Digital audio signals are supported up to a sample rate of 192Khz, and support for LPCM Stereo and Multichannel digital audio (LPCM, DTS, Dolby Digital, Dolby Digital Plus) is also provided.

The PU-305BD-KIT is perfect for multi-room AV systems where the optical audio from a HDTV or amplifier can be routed back to a rack matrix for further distribution throughout a wider multi-room AV system.

Features:

Supports Optical SDPIF Input & Output, plus RS-232

Supports up to 24bit 192kHz audio signals

Supports 192kHz audio up to 100m and 96kHz or lower audio up to 300m

Supports LPCM, DTS, Dolby Digital and Dolby Digital Plus signals

Supports PoE (Power over Ethernet) via a single PSU which can be connected at either end of the extender set

Specifications:

Inputs	1x Toslink [1x TX - Optical 2 Channel LPCM / Dolby Digital / Dolby Digital Plus / DTS] 1x 9pin Dsub [1x TX - RS-232 Data] 1x Toslink [1x RX - Optical 2 Channel LPCM / Dolby Digital / Dolby Digital Plus / DTS]
Outputs	1x Toslink [1x TX - Optical 2 Channel LPCM / Dolby Digital / Dolby Digital Plus / DTS] 1x Toslink [1x RX - Optical 2 Channel LPCM / Dolby Digital / Dolby Digital Plus / DTS] 1x 9pin Dsub [1x RX - RS-232 Data]
Dimensions	80mm [W] x 70mm [D] x 25mm [H]
Net Weight	160g
Gross Weight	580g

Code PU305BD **£201.11**

Keene KPDA 1:5 Component Video & Audio Distribution Amplifier

- One input, five fully buffered outputs
- Wide bandwidth HDTV capable
- Broadcast quality high speed video buffers
- Use for component video, RGBs video, RGsB video or four x composite video plus stereo audio
- One video channel may be used for digital audio

The KPDA is a high quality audio/video distribution amplifier, allowing one video and audio source to simultaneously supply up to five other devices. It uses very high quality high bandwidth ICs to ensure that each output is not discernible from the input, making it ideally suited to driving multiple displays or making multiple copies from one source. There are two stereo audio channels and four video channels, making it suitable for use with component video, RGBs video, RGsB video or 4 x composite video plus audio. Any of the video channels can also be used for digital audio if desired.

Specifications:

- Power requirements: by external supply to DC input socket, (2.1mm centre positive) 12-18v DC @ 300mA or greater
- Video: 5 buffered video outputs bandwidth 75MHz (up to 1080p)
- Level - composite / luminance 1v pp, chrominance 0.3v peak to peak
- Distortion components <–50db up to 10MHz
- Open circuit voltage gain is X2 (unity gain when correctly terminated)
- Back terminated series 75 Ohm outputs for reflection free performance
- DC coupled on all outputs
- Slew rate up to 500v/uS
- Audio: 5 buffered audio outputs
- Distortion <0.1%
- Bandwidth 20Hz – 30kHz
- Output impedance, <1k ohm each output
- Input impedance >10K ohm
- Unity gain
- Dimensions: 220mm x 104mm x 43mm
- Weight: 780g (excluding power supply)

Code KPDA **£59.99**

Keene SDA 1:5 Scart Distribution Amplifier

One input to five outputs, fully buffered using broadcast grade video amplification ICs. Pin 8 is routed through (if the input goes high all the outputs go high) and every pin connection is carried through making it suitable for composite, S-video, component or RGB. Supplied in a robust metal case this is ideal for displaying one signal on multiple TVs or for making up to five simultaneous copies from one source. Mains adaptor included.

BULK PRICING (50+) available for all products on this page

Specifications:

- Power: 12-18v DC @ 300mA
- Video: 5 buffered video outputs
- Video bandwidth: 50MHz
- Video level: Composite / Luminance 1v pp, Chrominance 0.3v peak to peak.
- Video distortion: < -50db up to 10Mhz
- Back terminated series 75R outputs for reflection free performance
- DC coupled on all outputs
- Slew rate up to 500v/uS
- Audio: 5 buffered audio outputs
- Audio distortion: <0.1% Bandwidth 20Hz - 30KHz
- Audio output impedance: <1K ohms each output
- Audio input impedance: >10K ohms Unity gain
- Dimensions 219 x 115 x 37mm
- Weight 725g (exc supply & cables)

Code SDA	UK model with UK 3-pin mains plug order	**£99.99**
Code SDAE	Euro model with round 2-pin mains plug order	**£99.99**

Keene KDA 1:4 AV Distribution Amplifier

The Keene KDA distribution amplifier has one set of inputs for composite video, s-video and stereo audio and four identical sets of outputs, each output being indistinguishable from the input.

Uniquely, the Keene Distribution Amp also has a switchable line drive feature, giving the ability to send audio and/or video over much longer cable runs than normally possible (up to 100m dependant on cable). The KDA may be 'daisy-chained', that is to say the output of one KDA may be fed into the input of another. Used in such a configuration, five KDA's may be used to provide up to 16 AV outlets from one AV input.

This product is ideal for:

Sending an AV signal to multiple displays
Sending an AV signal down a long cable run (up to 100m with the right cable)
Making up to four simultaneous recordings from one source
Sending line level audio to amplifiers in other rooms

Specifications:

- Power: 12-18v DC @ 300mA or greater (mains adaptor included)
- Video bandwidth: 50MHz distortion: <50db up to 10Mhz
- Back terminated series 75ohm outputs for reflection free performance
- DC coupled on Composite video and Luminance outputs
- AC coupled on Chrominance output
- Slew rate up to 1000v/uS
- Audio distortion: <0.1% bandwidth: 20–30kHz
- Audio output impedance: 1K ohms each output
- Audio input impedance: >10K ohms
- Dimensions 144 x 111 x 64mm
- Weight 680g (exc supply & cables)

Code KDA **£84.99**

HDMI 4K Distribution Amplifiers

Each product in the Quantum 4K Distribution Amp Series is compatible to v1.4 HDMI compliant and supports 3D Video signals, 'Deep Colour', and 4K resolutions, together with High Definition Audio. Each buffered output can run 1080p/8-bit up to 20 metres and can also be cascaded up to 3 layers.

Features:

- Compliant with HDMI, HDCP 1.1 and DVII.0 standards
- Resolutions supported : PC - VGA to UXGA; HDTV - 480i to 1080p, plus 1080p24fps and 4K
- High Definition Audio supported : Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- HDCP Compliant
- Auto signal amplification & equalisation improves signal transmission distances

Code QU12S4K	1 input to 2 outputs	£164.43
Code QU14S4K	1 input to 4 outputs	£319.23
Code QU18S4K	1 input to 8 outputs	£463.37
Code QU16E4K	1 input to 16 outputs	£699.65

HDMI Distribution Amplifiers

These Coosis HDMI Distribution amplifiers are compact devices that give multiple simultaneous HDMI outputs from one HDMI input, ideal for viewing on multiple displays. The units can also be cascaded together in a "pyramid" network to provide a one-to-many solution.

Please note: If the max resolutions of your displays are different, the EDID functionality will detect all the connected displays' EDID information and auto-match the output resolution to the lower one. For example, if one display supports 720P resolution and the rest support 1080P, the signal will be lowered to 720p for all displays.

Code HDC12	(1 input to 2 outputs)	£34.99
Code HDC12PRO	(1 input to 2 outputs 4K)	£39.99
Code HDC14	(1 input to 4 outputs)	£74.99
Code HDC18	(1 input to 8 outputs)	£114.99

CYP HDMI 1 to 8 Distribution Amplifier with System Reset

Each splitter in the Quantum Distribution Amplifier Series is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p up to 15 metres and can also be cascaded.

Features:

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 1 to 8 Splitter with System Reset function
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Auto signal amplification & equalisation improves signal transmission distances
- Supports CEC bypass
- Supports 'Deep Colour' (10, & 12)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power & SYNC LED's indicator
- Supports 3D signals

Specification:

- Input 1 x HDMI female port
- Outputs 8 x HDMI female ports
- Power 5V/5A DC
- Gross Weight 1240g
- Net. Weight 1000g

Code QU8MS **£307.65**

VGA & Audio Cat 5 Extender System

Enables you to transmit VGA signals up to 150M (500ft.) away with resolution up to 1024 x 768. It features common mode noise suppression circuit for superb VGA quality via inexpensive unshielded twisted pair CAT5 cables. The Local unit duplicates the input signal for local use and transmits the VGA signal to a Remote unit. The Remote unit broadcasts the signal to two VGA outputs. The units also distribute audio (mono at remote location) Ideal for public broadcasting, exhibits, retail stores, courtrooms, stock tickers, bus station and many more applications.

In summary, the local unit has one input and two outputs, and the remote unit has a further two outputs. Audio is duplicated in stereo locally and in mono on the remote unit.

Specifications:

- Cable between units: CAT5, CAT5e and CAT6
- Max. distance: 50 metres
- VGA input port: HDB15 (female) x 1
- Audio input port Stereo jack (female) x 1
- VGA output port HDB15 (female) x 2
- Audio output ports: Stereo jack (female) for local unit, x 2 Mono jack (female) for remote unit
- Equalizer selector : 4-position slide switch
- Status indicators: Power (green) x 1, Active (yellow) x 1
- Operating voltage: 9V DC, 600mA UK adaptors supplied

Code EVA214 **£99.99**

Component Video Matrix 4:2

The AVT5842MX is a 4 input by 2 output switcher that can be used for either YPbPr Progressive Scan Video or YCbCr Component Video, plus Stereo Audio. It is a dual output switcher and sends the selected input to the outputs independently. Since it is a Matrix Switcher, each of the two outputs can have the same or a different video signal, selected from the four inputs. Selection can be made by the front panel push buttons or by the IR Remote Control.

Features and Specs:

- 4 Component Video Inputs via RCA connectors
- 4 Stereo Audio Inputs via RCA connectors
- 2 Individually Selected Component Video Outputs via RCA connectors
- 2 Individually Selected Stereo Audio Outputs via RCA connectors
- Works with Progressive Scan YPbPr 480p, 576p, 720p or 1080i Component Video
- IR Remote or Manual Control
- Video Bandwidth: 300MHz
- Size: 1.9" High x 9.3" Wide x 5.7" Deep (48mm x 230mm x 145mm)
- Weight: 920g
- Power: 12vDC 200mA UK adaptor included

Code AVT5842MX **£162.38**

Keene RGB2C RGB/Component video transcoder

Another in-house product from Keene Electronics, the RGB2C can convert an RGB input to a component (Y Pb Pr) output, and vice versa. It can cater for sync on green or composite sync input and also provide sync on green or composite sync output. LED indicators provide useful information on the type of signals present and which process is being performed. Designed to be installed in-line with the signal path, has SCART input and output connectors to make connection simple. Supplied complete with UK mains adaptor and KA150 scart to 3 phono adaptor.

Code RGB2C **£69.99**

BULK PRICING (50+) available

Composite/s-video to Component or RGB

A handy compact unit that will convert either Composite or S-Video to RGsB or YUV via 3 phono socket connectors. It automatically recognises any world standard input: NTSC 3.58/4.43, PAL, PAL M, PAL N & Secam. The Output format is selectable between RGB and YCbCr.

Specifications:

- Input: 1 x CV + 1 X SV
- Output: 3 phono - RGsB or YUV
- Power Supply: 5V DC 350mA (adaptor supplied)
- Dimensions: 145 x 90 x 32 mm

Code CPVSRGB **£74.21**

VGA in to HDMI Out

The Coosis VGA to HDMI Portable convertor is designed to be extremely compact in size and ideal for home and office use or life on the move. Users can plug this convertor into their desktop, laptop or any device with a VGA output (must be an RGBHV type signal, not component or YUV!) and convert easily to HDMI. Great for watching PC and laptop signals on your big screen TV, or getting your presentation on to the office projector. The best thing is that resolutions of less than 1920 x 1200 @ 60Hz don't need any extra power although a USB power cable is included should you wish to use 1920 x 1200 @ 60Hz. An analogue audio input is included as a 3.5mm stereo socket and this is then output in the HDMI signal to the display.

** Please be aware that this is only a signal convertor and not a scaler. The output resolution will be the same as the input resolution and will not increase the picture quality.*

Code VGAHDMIP **£49.99**

HDMI input to Component (or RGBHV) & Audio output

This unit will take in HDMI and give out either Component video (Y, Pb, Pr) or RGBHV (PC signal), plus spdif or analogue stereo audio. It enables you to connect your new HDMI sources to older analogue displays. The convertor is extremely compact in size and can be plugged directly into a display with VGA connections or use the supplied cable to connect to a Ypbpr component video.

Specifications:

- Video Input: HDMI connector
- Compliant with HDMI 1.3 and HDCP 1.2
- Output: Analogue HD-15 (RGBHV / YPbPr)
- Operation frequency: up to 165MHz
- Resolution: RGBHV up to UXGA@60Hz, Component up to 1080i (note this unit will not scale the signal, the output resolution is determined by the resolution of the input signal – please check your display is compatible with the resolution produced)

Code HDMIVGAP **£59.99**

RGB to S-Video Convertor

RGB is a great method of sending video, with picture resolution as good as s-video and vastly superior to a std composite signal. The problem is not everything can accept an RGB signal and often composite is your only option. Well, here's another problem solved! This Box can convert an RGB scart output into S-video plus audio.

Code RGB2S **£59.99**

S-video to Composite Video Bi-directional Convertor

An amazing little gadget with an S-video socket at one end and a composite (phono) socket at the other. Containing a special filter network it works fully bi-directionally. It won't magically increase picture resolution, but it will make life easier when wiring up say an AV amp that supports composite or S-video connections but doesn't allow the use of both simultaneously.

Code STOC **£9.99**

HDMI to Composite & S-Video Down Convertor

VS-226 HDMI to CV/SV/Stereo Down convertor changes digital HDMI signals (or a DVI input signal with S/PDIF coaxial audio) to NTSC or PAL analogue video signals and also provides a L/R stereo audio output. Besides S-Video and Composite Video outputs, it provides a re-clocked HDMI signal which delivers a jitter free bypassed output of the original HDMI signal. In addition, either a bitstream derived HDMI audio signal or a coaxial input signal is processed and provided to an external audio amplifier via a coaxial S/PDIF digital audio connector. The VS-226 provides a convenient way for the user to watch a high definition television program while also recording it in standard resolution via a DVR or VCR.

Features and Specifications:

- Automatic Signal Conversion
- HDMI 1.2, HDCP1.1 and DVI1.0 compliant
- HDMI or DVI HDTV Signals from 480p to 1080p
- Jitter corrected, Re-Clocked HDMI Bypass signal
- HDMI or DVI HDTV to NTSC or PAL Conversion
- Converts HDMI Bitstream audio to S/PDIF Audio
- Provides analog L/R Stereo Audio Output
- Converts PC signals to UXGA/60Hz to NTSC/PAL

**** Important! Please be aware that this unit will not output composite video, s-video or stereo audio from an HDCP protected source. A source such as a Blu-ray or SkyHD usually uses HDCP and so only the HDMI loop-through and digital audio ouput will be active. If you would like any guidance with this please don't hesitate to contact us.*

Code VS226 **£222.10**

RGB SCART & S-video to HDMI 1080p HD Convertor

This device contains a high quality chipset to convert analogue Scart AV signals (RGB or composite, or s-video and upscale them to a choice of HDMI resolutions, 720p, 1080p, 1680x1050, 1360x768 and a choice of screen modes (16:9, 16:10, expand & subtitle). Control is by front panel or supplied IR remote. Great for connecting legacy equipment to an HDMI switchbox and for simplifying your connections.

Inputs:

SCART - CVBS/y/c (PAL, NTSC), RGB (480i, 576i)
s-video PAL (576i) NTSC (480i)

HDMI Output:

1920 x 1080, 1680 x 1050, 1360 x 768,
1280 x 720 with digital audio

Power: 5v DC 2000mA, UK adaptor supplied

Dimensions: 170 x 110 x 32mm

Code HDUSPRO **£59.99**

HD UltraBridge

A powerful multi-format HD video switcher, the UltraBridge has:

- 1 X Component (YPbPr) video and audio inputs (480i/p, 576i/p, 720p 1080i/p (60Hz/50Hz))
- 1 X VGA video input and stereo audio input: (up to 1920 X 1200 (60Hz)
- 1 X S-video video input and L/R audio input
- 1 X Composite video input and L/R audio input
- 2 X HDMI input: supports 480i/p, 576i/p, 720p/1080i and 1080p at 50/60Hz
- 1 X USB 2.0 input supports to read contents of hard disk or flash drive and files (will read mpeg 1/2/4, rm, rmvb, mov, jpeg, bmp, png, wma, mp3) All inputs can be switched to 1 scaleable HDMI output at up to 1080P

Code UBRIDGE **£274.99**

VGA to HDMI Convertor

Allows you to display the image from your computer to a monitor or large TV. It will convert your PC's VGA video and audio into one complete HDMI signal.

Features:

- Converts VGA video and audio into one HDMI signal
- Signalling rates up to 1.65Gbps
- HDCP Compliant
- Supports up to 1080p resolution
- Supports 480i, 576i & 1080i resolution
- Supports VGA resolutions up to 1280 x 1024 60/75Hz
- Outputs HDMI

Code VGAHDMI **£59.00**

Component VGA & Audio to VGA Convertor Switch

The Coosis HD GAMING PRO (Component to VGA 1080 Convertor, Model: HG.PRO) provides an easy way to convert analogue component (YPbPr) signal to VGA up to 1920X1200 resolution. It enables you to carry on using previous models of monitors, CRT projectors, digital projector, or plasma displays which are not Component inputs compliant. Easily connect devices such as PS3, XBOX360, Wii, satellite boxes, or Blue-ray players etc. Being aware of the stretched image caused by varied screen aspect ratio (4:3, 16:9 & Full screen), this convertor is integrated with image aspect ratio correction to recover 1:1 pixel matching. It also provides a VGA input to take the signals from PC, laptop or other VGA sources, and mirror to VGA output and audio output when in stand-by for easy monitoring so you don't need to keep switching cables.

Code HDGPRO **£69.99**

HDMI Cross Convertor

This HDMI Scaler can accept audio embedded in the incoming HDMI signal or from the separate Toslink or analog Stereo inputs. The HDMI output can be the same resolution or scaled to a different resolution. Output audio is simultaneously present embedded in the HDMI signal and separately as Toslink and analog Stereo. This provides maximum flexibility for systems integration. The unit is ideal for situations where the HDMI source resolution and/or frame rate is incompatible with the display device's resolution/frame rate. A comprehensive OSD menu and buttons allows selection of output resolution, adjustments of picture quality and audio source selection. It's also possible to add up to 150ms of audio delay to compensate for lip sync errors.

Features and Specifications:

- HDMI v1.1, HDCP 1.1 Compliant
- Maximum I/O Resolutions WUXGA and 1080p
- Accepts 480i or 576i SDTV input
- Automatically Detects Input Resolution
- 50/60Hz Frame Rate Conversion

Code 1TVS626 **£171.81**

HDMI to SDI Convertor

Mini Convertor HDMI to SDI is ideal for converting from HDMI devices to SDI video with the choice to embed SDI audio from HDMI, AES/EBU or balanced analogue audio inputs. Now you can add SDI outputs to cameras with HDMI connections, or add if your computer supports HDMI compatibility via DVI to HDMI adapters, then you can use for adding SDI outputs to computers.

Specifications:

- HDMI to SDI Analogue Conversion
- Auto Switching SD and HD
- New 3 Gb/s SDI Technology
- Built in AES/EBU or Analogue Audio

Code CONVMHS **£219.26**

Also available, an SDI to HDMI Convertor
Code CONVMSH **£219.26**

Component to HDMI Convertor

Component and Audio input to HDMI output

This unit will take in a Component video signal plus analogue stereo audio and convert the output to digital HDMI.

HDMI 1.3 compatible

Supported Component input resolutions:
4801/P, 576i/P, 720P 1080i/P

Specifications:

- Video input: 3 x RCA phono
- Audio input: 2 x RCA phono
- Video Output: HDMI socket
- Dimensions: (WxHxD): 84 x 28 x 76mm
- Power: 5V 2A (UK mains adaptor supplied)

Code CHUCH **£59.99**

HDMI to VGA & Audio Convertor MHL

This unit will take in HDMI and give out VGA with analogue stereo audio. The output resolution is user selectable via a front panel controls. Another handy feature is MHL (mobile High-Definition Link) compatible and so can be used with your smartphone or tablet (so long as you have a cable with the correct connection going to a standard HDMI).

Supported input resolutions:
4801/P, 576i/P, 720P 1080i/P

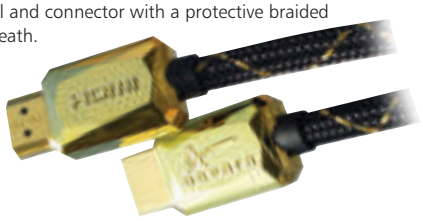
Specifications:

- Video Input: HDMI socket
- Audio Output: 3.5mm jack socket
- Video Output: 15pinHD VGA connector
- Dimensions: (WxHxD): 100 x 28 x 84mm
- Power: 5V 1A (UK mains adaptor supplied)

Code HUHMVPRO **£59.99**

Aavara High Definition HDMI Cables

These are top specification Hi-Definition AV Cables fully supporting all of the latest HDMI specifications, including: 3D, 4K, ARC (Audio Return Channel), HEC (HDMI Ethernet Channel). The construction features pure gold 24K plated end shell and connector with a protective braided cable sheath.



Specifications:

- Works with PS3, XBOX, Blu-Ray/HD/DVD player, Set Top Box
- 1.2Gbps Ultra Wide bandwidth enable brilliant 1080p HD content and 8 channel Audio
- Exclusively Superior Diamond cutting design and stylish yellow webbing lines
- HDMI to DVI interoperability allows easy interconnectivity
- Support Dolby True HD and DTS-HD Master Audio Transmission
- Support x.v. Colour Wide Gamut and 16bit Deep Colour Video Transmission

Code HDAV05	0.5m version	£14.99
Code HDAV1	1m version	£17.99
Code HDAV2	2m version	£12.99
Code HDAV3	3m version	£24.99

180 Degree swivel Plug

High quality 'High Speed with Ethernet' HDMI cable. Each plug has 180 degree swivel to make it easier to connect to awkward sockets.

Specifications:

- Gold plated terminals with moulded strain relief

Code HDHD141S	1m version	£14.99
Code HDHD142S	2m version	£19.99
Code HDHD143S	3m version	£24.99

Bend to shape HDMI cables

From CYP, these "Neat & Tidy" cables provide genuine innovation for the custom installer. The reinforced structure allows them to be manipulated into a desired shape which will be retained for the duration of an install. This new design allows installers the make tidiest of finishing touches to an AV installation, while also optimising the connection between sources in a rack.

Specifications:

- Full 1080p and deep colour resolutions
- 3D Compatible
- 99.999% Oxygen Free Copper

Code HDMI030	30cm version	£10.67
Code HDMI050	50cm version	£11.45
Code HDMI075	75cm version	£12.43

Aavara Hi-Definition Pro Install HDMI Cables

These are top specification Hi-Definition AV Cables designed for Professional and Commercial installations. Designed to end the uncertainty and erratic behaviour you may have experienced from some of the other longer length cables on the market, these deliver reliable results. The construction features a heavy duty metal-moulded connector housing with high density triple layer shielding to guard against electromagnetic interference, high-level OFC copper wire with 340MHz (10.2Gps) ultra-wide bandwidth for 1080p 3D video format and 7.1 channel audio. Protective braided outer cable sheath.

Specifications:

- HDMI™ 1.4v high speed Cable supporting 3D, 4K, ARC (Audio Return Channel)
- 24K Gold-plated connector for anti-corrosive and distortion-free

Code HDPROAV5	5m	£29.99
Code HDPROAV10	10m	£59.99
Code HDPROAV15	15m	£89.99
Code HDPROAV20	20m	£119.99

Professional Range Flat Profile

Flat cable manufactured by TTL offering high speed performance 1440P with Ethernet and Audio return channel. Manufactured with gold plated contact and shell including RF Blok which protects against RF interference. Lightweight flat ribbon cable which is very flexible for installation especially where there is limited space.

Specifications:

- Capable of handling up to 1440p resolutions
- 3D compatable
- 4K x 2K ready
- High quality flat cable ideal for running under carpet or through narrow spaces

Code HDHDF1405	length 0.5m	£10.80
Code HDHDF1415	length 1.5m	£12.96
Code HDHDF1420	length 2.0m	£15.14
Code HDHDF1430	length 3.0m	£17.36

Ultra Slim HDMI Cables

At last, an HDMI cable that doesn't feel like it's trying to escape from the socket you've just plugged it into! These Ultra Slim cables cram everything you need for the full HD experience into a very slim flexible cable.

Features:

- HDMI V1.4 compliant
- Audio return Channel
- 3D support
- 4K x 2K resolution
- Deep colour support
- Ethernet up to 100Mbps
- 36AWG ultra thin flex cable with gold plated connectors

Code HDUS05	length 0.5m	£9.99
Code HDUS1	length 1.0m	£11.99
Code HDUS3	length 3.0m	£16.99

MINI HDMI range

Cables with a standard type A HDMI plug at one end to the mini "C" type connector (10.42mm x 2.42mm) at the other, commonly used on camcorders and other portable AV devices.

Specifications:

- Fully wired 19pin connectors
- HDCP compliant
- High Speed rated
- Up to 1080p resolutions

HDMI plug to HDMI mini plug

Code HDHDM2	length 2.0m	£9.99
Code HDHDM3	length 3.0m	£12.99

HDMI mini plug to HDMI mini plug

Code HDMHDM2	length 2.0m	£9.99
Code HDMHDM3	length 3.0m	£12.99

MICRO HDMI range

Cables with a standard type A HDMI plug at one end to the micro type "D" connector (6.4mm x 2.8mm) at the other, commonly used on mobile phones.

Code HDHDMIC1	length 1.0m	£9.99
Code HDHDMIC15	length 1.5m	£11.99
Code HDHDMIC2	length 2.0m	£13.99

HDMI CABLES High Speed with Ethernet

Cables with High Speed 1080p support plus ethernet capability.

Code HDHD1405	length 0.5m	£3.99
Code HDHD141	length 1m	£4.99
Code HDHD1418	length 1.8m	£11.99
Code HDHD143	length 3.0m	£14.99
Code HDHD145	length 5.0m	£17.99
Code HDHD1410	length 10.0m	£34.99

HDMI Adaptors

Code KA191	(270 degree rotation)	£7.99
Code KA191L	(90 degree rotation)	£7.99
Code KA191F	(90 degree flat)	£6.99
Code KA213	(270 degree flat)	£6.99

Coosis Python HDMI Cables

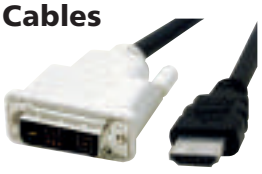
The Coosis Python series of HDMI cables are ultimate High-Speed with Ethernet cables (Cat 2) for HD signal transmission. Upto 15.8G bandwidth permits a lossless transmision of uncompressed 4K × 2K high definition pictures with maximum 48bit/px colour depth. It also integrates an HDMI Ethernet Channel (HEC), which allows for a 100 Mbit/s Ethernet connection between the two HDMI connected devices so they can share an Internet connection. Additional Audio Return Channel enables a TV, via a single HDMI cable, to send audio data "upstream" to an A/V receiver or surround sound system, increasing user flexibility and eliminating the need for any separate S/PDIF audio connection. Each cable is also supplied complete with an HDMI plug to socket 180 degree swivel adaptor, allowing it to be used even in very tight spaces.

PFG4	FLAT GOLD 1.22M	**£19.99**
PFG8	FLAT GOLD 2.44M	**£23.99**
PFG16	FLAT GOLD 4.88M	**£40.99**
PFG25	FLAT GOLD 7.62M	**£51.99**
PFG35	FLAT GOLD 10.67M	**£58.99**
PFG40	FLAT GOLD 12.2M	**£70.99**
PFG50	FLAT GOLD 15.2M	**£79.99**
PFS4	FLAT SILVER 1.22M	**£19.99**
PFS8	FLAT SILVER 2.44M	**£23.99**
PFS16	FLAT SILVER 4.88M	**£40.99**
PFS25	FLAT SILVER 7.62M	**£51.99**
PFS35	FLAT SILVER 10.67	**£58.99**
PFS40	FLAT SILVER 12.2M	**£70.99**
PFS50	FLAT SILVER 15.2M	**£79.99**

PRG4	ROUND GOLD 1.22M	**£18.99**
PRG8	ROUND GOLD 2.44M	**£22.99**
PRG16	ROUND GOLD 4.88M	**£38.99**
PRG25	ROUND GOLD 7.62M	**£48.99**
PRG35	ROUND GOLD 10.67M	**£56.99**
PRG40	ROUND GOLD 12.2M	**£67.99**
PRG50	ROUND GOLD 15.2M	**£76.99**
PRS4	ROUND SILVER 1.22M	**£18.99**
PRS8	ROUND SILVER 2.44M	**£22.99**
PRS16	ROUND SILVER 4.88M	**£38.99**
PRS25	ROUND SILVER 7.62M	**£48.99**
PRS35	ROUND SILVER 10.67M	**£56.99**
PRS40	ROUND SILVER 12.2M	**£67.99**
PRS50	ROUND SILVER 15.2M	**£76.99**

HDMI to DVI Cables

HDMI plug to DVI plug 1080p rated.



Code HDDV2	length 2.0m	**£7.99**
Code HDDV3	length 3.0m	**£12.99**
Code HDDV5	length 5.0m	**£14.99**
Code HDDV10	length 10.0m	**£19.99**

HDMI Extension Cables

HDMI plug to HDMI socket extension cable High Speed.

Code HDHDE2	length 2.0m	**£9.99**
Code HDHDE3	length 3.0m	**£11.99**
Code HDHDE5	length 5.0m	**£14.99**
Code HDHDE10	length 10.0m	**£24.99**

HDMI Outlet Plates

From Keene, a wall plate with an HDMI socket at the front and a PCB mounted rear socket. The rear socket is aligned such that a side entry HDMI cable should pass through one of the side knock-outs in a std metal rear pattress. Depending on the size of plug used some modification to the pattress may be necessary.

We can supply this item as follows:

Code HCP26	single, white	**£19.99**
Code HCP26D	double, white	**£29.99**
Code HCP26S	single, steel	**£39.99**
Code HCP26SD	double, steel	**£54.99**

Single gang flat brushed steel
Code HCP26FS **£39.99**

A wall outlet plate with a HDMI socket at the front and an angled HDMI socket at the rear. A deep (47mm) back box is recommended. Depending on the size of the plug on the HDMi cable used, some modification to the pattress may be necessary.

Code HCP26G **£19.99**

A wall plate with a HDMI socket at the front and a HDMI socket at the rear, connected via a short (10cm) flexible cable. Ideal for situations where the rear HDMI cable is drawn through from unusual angles. Depending on the size of plug used some modification to the pattress may be necessary.

Code HCP26FC white **£29.99**

DVI Plug to HDMI socket Adaptor
Code KA170 **£9.99**

HDMI adaptor type C mini socket to type A plug
Code KA189 **£6.99**

HDMI adaptor type A socket to type C mini plug
Code KA190 **£7.99**

Mini Display Port to HDMI adaptor cable 15cm
Display port male to female HDMI
Code MDPHDMI **£19.99**

Back to back coupler for joining HDMI cables.
HDMI socket to socket coupler
Code KA173 **£6.99**

HDMI hinged 90 degree coupler
Code KA173H
£14.99

Professional HDMI socket coupler in Black D shaped XLR cutout, ideal for use in patch panels as well as wall and floor plates. (Silver finish)
Code KLC123 **£9.99**

UTP CAT5E Cable

Unshielded 4 pair twisted cable. 24AWG non-plenum horizontal (solid conductor). Beige sheath metre marked, with rip cord (305m pack only). ANSI/EIA/TIA-568-A-5, ISO/IEC-11801/BS EN 50173, UL444, UL1581, UL 1666 approved. Order loose by the metre or by the 305m pack.

Code KBL23	1-10m	**£0.49/m**
	10+m	**£0.40/m**
	305m reel	**£109.80 (0.36/m)**

UTP CAT6 Cable

Unshielded 4 pair twisted cable. 24AWG non-plenum horizontal (solid conductor). Flame retardent grey sheath with rip cord (305m pack only). Order code [KBL33] loose by the metre or 305m pack in easy-pull box.

Code KBL33	1-10m	**£0.78/m**
Code KBL33	10+m	**£0.68/m**
Code KBL33	305m reel	**£173.85 (0.57/m)**

Couplers & Connectors

CAT5E coupler, back to back RJ45 sockets.

Code C5EC		**£1.99**
Code C5EC	buy 5	**£7.50**
Code C5EC	buy 10	**£12.50**

RJ45 clear plastic crimp-on end connector, suitable for KBL23xx cable.

Code RJ45C	(CAT5)	**£0.49**
Code CAT6C	crimp on connector CAT6 rated for KBL33	**£0.99**

RJ45 crimp tool for easy fixing of RJ45 end connectors.
Code RJ45T **£9.99**

CAT5 Outlet Components

RJ45 fascia plate for network connections containing IDC connections for UTP cable (suitable cable KBL23/KBL33). A clip-in ID plate allows for easy labelling.

Single port version
Code UTPSP **£5.99**
Twin port version (pictured)
Code UTPTP **£7.99**
Surface mount pattress box 25mm deep for use with CAT5 fascia plates
Code UTPP **£2.99**
Pattress box 45mm deep has breakouts for cable entry on four sides and bottom
Code NPB **£1.99**

CAT5E/6 Patch Leads

Product description

- Colour: Grey
- Connectors: 2 x RJ45
- Applications: 10BaseT, 100BaseTX & Gigabit Ethernet
- Crossed connections = NO

Code UTP05	(L) 0.5m grey	**£1.49**
Code UTP10	(L) 1.0m grey	**£1.49**
Code UTP20	(L) 2.0m grey	**£1.99**
Code UTP30	(L) 3.0m grey	**£3.99**
Code UTP50	(L) 5.0m grey	**£4.99**
Code UTP100	(L) 10.0m grey	**£8.49**
Code UTP200	(L) 20.0m grey	**£10.99**
Code UTP300	(L) 30.0m grey	**£19.99**

CONNECT 420 5:1 HDMI Switch 3D

- Only one cable to your TV screen! Switch between the HDMI devices connected
- Suitable for connecting 5 HDMI sources to your TV simultaneously. You just need 1 HDMI input and you never have to switch cables again
- Suitable for Full HD 1080p and all 3D formats
- With built-in repeater and equalizer for correcting any possible loss of signal, so you can connect up to 15 metres of HDMI cable to the output
- Switches automatically and/or with remote control
- Solid metal casing

Code C420 **£76.46**

CONNECT 310 3:1 HDMI Switch 3D

- Only one cable to your TV screen! Switch between the HDMI devices connected
- Suitable for connecting 3 HDMI sources to your TV simultaneously.
  You just need 1 HDMI input and you never have to switch cables again
- For connecting a game console like PlayStation and Xbox,
  Blu-ray Player, satellite receiver and all other HDMI devices
- Full HD 1080p
- Switches automatically and/or with remote control
- With separate IR receiver for operating the switcher when it is placed out of sight

Code C310 **£30.56**

HDMI Switchboxes Value Range

Compact low cost HDMI switchboxes offering excellent value for money. Auto source selection (plus IR for SW103).

Features:

- Easily switch between HDMI sources
- Full HD 1080p supported
- Compatible with HDMI 1.3b and HDCP

Note – not suitable for DVI devices
(no control signal for auto switching)

Code SW102	(two inputs to one output)	**£24.99**
Code SW103	(three inputs to one output)	**£29.99**

AAVARA 4:1 Switchbox

The Aavara SW421 provides easy switching from any of four HDMI inputs to 1 HDMI output. Featuring CEC (Consumer Electronic Control) Pass-through for fast switching this is a very effective and economical solution.

Features:

- Allows access from four HDMI devices to 1 HDMI display
- CEC (Consumer Electronic Control) pass-thru (Output Channel 1)
- Support 36-bit Deep Color up to 1080p
- Support x.v.YCC wide color gamut
- Audio support Dolby TrueHD & DTS-HD™
- Support 7.1 digital surround & Lip Sync
- HDMI firmware upgradable
- Plug-and-play. Installs in seconds
- Dimension:245(W) x 107(D) x 27(H) mm
- Package Content:1080p HDMI Switcher 4:1, Remote Control, 9V DC Adapter, Usermanual

Code SW421 **£49.99**

HDMI 3:2 Switcher Splitter Value Range

The HDMI Amplifier Switch Splitter is an HDMI splitter with the ability to switch between 3 inputs to display to 2 outputs. It distributes the input into the two identical outputs simultaneously. Each output can achieve a long distance transmission of a HDMI signal of up to 15 metres. Two or more products may be cascaded to achieve a larger distribution and longer length. Operation is by front push button control or by (supplied) IR remote.

Features:

- Switch easily between any three HDMI sources to two displays
- Support HDMI1.3b
- Support highest video resolution 1080p
- Support 225MHz/2.25Gbps per channel (7.5Gbps all channel) bandwidth
- Support 12bit per channel (36bit all channel) deep colour
- Support HDCP

Note - Devices with DVI output are not supported due to the lack of signal control.

Code HDMI32S **£49.99**

HDMI four way auto switch

The HD-SW104 is an intelligent HDMI amplified 4 port switch. It allows four HDMI devices to be switched to one HD Monitor, Projector or HD TV.

The intelligent function will automatically switch between HDMI sources as and when they are plugged in, removed or turned off, plus there is also touch button and IR remote control.

Specifications:

- 4 Port HDMI Switch
- HDMI v1.3b
- Supports up to 1080p
- Supports 250Mhz/2.5Gbps per channel bandwidth
- Supports 12-bit per channel deep colour
- Supports HDCP pass through

Code SW104 **£39.99**

HDMI Automatic 2:1 Line Powered Switchboxes

The smallest HDMI auto selector on the market! This is a very neat switchbox, two inputs to one output. They're line powered so you don't need to find room for another mains adaptor and they automatically switch to whichever input device was switched on last (with a manual override should you wish). Brilliant, neat, tidy and very affordable - just fit it and forget it!

Features:

- No need to make space for another piece of hardware
- Integrated high quality 0.5m HDMI Cable removes need to purchase additional cable
- Fully HDCP Compliant
- Automatically switches to equipment source when switched on
- Manual override switch
- Self powered. No additional PSU required!
- With plastic end connectors and regular shielded cable

Code 28577H **£29.99**

HDMI 3:1 3 in 1 Out Micro Switchbox

This is a really tiny yet fully functional 3 to 1 HDMI Switchbox. It will switch between 3 HDMI sources (in multiple resolutions up to 1080p) and route the signal to an HDMI output. The unit will switch automatically to the device turned on, and can also be manually switched via the push button. An LED indicates which input is selected. The case dimensions are just 52 x 52 x 18mm!

Features:

- Supports 12-bit deep colour, full 1080p
- Intelligent or manual switching
- Supports HDMI v1.3b
- High performance up to 2.5Gbps
- Maintains high resolution video HDTV up to 1080p 2k, 1440p graphics and computer resolutions up to 1920 x 1200
- No power needed

Code HDMIM3 **£18.99**

4X1 Composite or S-Video & Audio Switch

MX-3141 series 4x1 Routing Switchers are extremely wide bandwidth, high performance products that meet the most demanding requirements for signal routing. Video as well as Audio are routed. Video Bandwidth is flat +/- 3db to beyond 300MHz ensuring these switchers will provide an output identical to the source signals.

The MX3141CSVA switches NTSC or PAL Composite or S-Video plus Stereo Analog Audio. This unit features RS-232 control capability and is shipped with an IR remote control, a rack mount kit plus an AC power adapter

Features and Specifications:

- Professional Grade, High Performance Switcher
- Video Bandwidth: Greater than 300MHz
- NTSC and PAL Television Standards
- Inputs: 4x composite video on RCA, S-Video on mini 4 pin din and Stereo Audio on RCA
- Output: 1 x composite video on RCA, S-Video on mini 4 pin din and Stereo Audio on RCA
- Push Button and IR Inputs Selection
- Rugged Metal Case
- Locking DC Power Connector for Security

Code MX3141CSVA **£80.67**

4x4 HDMI Matrix Switcher 4K compatible HDBaseT with PoE

This 4x4 Video Matrix delivers fantastic performance with full UltraHD 4Kx2K capability and comes in at a price well below other non-4K systems. It allows un-compressed 4K HDMI and two-way IR signals to be transmitted via a single CAT5e/6/7 cable over distances of up to seventy metres, routing any of the four inputs to any or all of the four outputs. Control is easy with either supplied IR remote or use a tablet or any web browser for on-screen source switching.

The HDMI4x4ML matrix comes with 4 POE receivers which means less cabling and power requirements at the head end and a faster set up time.

PACKAGE CONTENTS

- 1x 4x4 Matrix Chassis
- 1x Power Supply Unit
- 1x Mains Cable
- 5x IR Emitter/IR Receiver Cable Packs
- 4x HDBT 70m Receivers
- 2x Rack Mounting Ears
- 1x Smart Remote

Code HDMI4X4ML **£1499.00**

Aavara PM4X2 1080p HDMI MATRIX 4X2

The Aavara PM4X2 1080p HDMI 1.3b MATRIX 4X2 is a switcher/splitter hub that offers you maximum convenience in HDMI signal distribution when you have multiple HDMI sources and displays to connect together. Each of the Four HDMI sources can be directed to any one of the two HDMI outputs so two displays/projector can show same source or two different sources simultaneously. It is compliant with Blu-ray DVD players and satellite set top boxes to any HDMI compatible display. Sources are accessible at any time to any display when operating with the IR remote. PM4X2 4x2 matrix switching allows maximum versatility for integrated systems.

Features:

- Allows you to select same HDMI source or two different sources output to two displays separately
- "Max. Video Output" function for Home Theater installation, allow to send to TV and Amp with Max. Video and Audio signal
- HDMI Specification 1.3b Compliant
- Support HDMI 36-bit Deep Color & x.v.Color wide color gamut
- Supports 480i, 480p, 576i, 576p, 720p, 1080i and 1080p resolution
- Audio support Dolby® TrueHD & DTS-HD™ lossless 7.1 digital surround & Lip Sync
- Plug-and-play. Installs in seconds
- Easy operating with IR Remote

Specifications:

- HDCP Spec.:1.3b Compliant
- DVI Spec.:1.0 Compliant
- HDCP Spec.:1.2 Compliant
- MATRIX 4X2:Transmit same source or two different sources simultaneously
- Operation temperature:+5ºC to +35ºC
- Storage temperature:-20ºC to +60ºC
- Humidity Range:5% to90% RH
- Signal Rate:6.75Gbps
- Power Consumption:5W
- Video Bandwidth:225 MHz
- Single Link Range:Supports 480i, 480p, 576i, 576p, 720p, 1080i and 1080p resolution
- Cable Length:5M (In and Out respectively)
- Dimension:245(W) x 107(D) x 27(H) mm

Code PM4X2 **£193.37**

HDMI Matrix Switchers Value Range

These are true HDMI Matrix switchbox that routes any of the four HDMI inputs to any or all of the outputs. Input routing by front panel push button or IR remote control with LED confirmation. Matrix switching allows for maximum versatility for integrated systems.
Superb value for money.

Features:

- Switch easily between any four HDMI sources
- Distributes any of the four inputs to any or any combination of the two HDMI output displays
- Support HDMI 1.3b
- Support highest video resolution 1080p.
- Support 225MHz/2.25Gbps per channel (6.75Gbps all channel) bandwidth
- Support 12bit per channel (36bit all channel) deep colour
- Support HDCP
- External 5V DC@2A Power Supply (included)
- Easy operating with IR Remote

*** Note - Devices with DVI output are not supported due to the lack of signal control ***

Four inputs to two outputs
Code HD42M **£84.99**

Four inputs to Four outputs
Code HD44M **£299.99**

BeOne Media Panel

New from Coosis, a stylish Multimedia AV Wallplate ideal for Hotels, Apartments, Meeting rooms etc.

There are front inputs for Composite & Audio, S-video, HDMI, VGA & 3.5mm stereo audio, and these are all automatically converted to a single HDMI output. The input is automatically switched to an active signal and will automatically revert back to the previous when the current becomes inactive. Touch sensitive switches in the backlit panel can be used to override the auto input switching if required.

There is a USB port which can operate in one of two modes; it can be set to work as a charge output (5v 1A) or it can be routed through to the display USB if this supports media playback.

The LAN/RJ45 and PHONE/RJ11 two inputs are pass-through.

Cut-out size 376 x 78mm x 76mm deep.

NEW

Code BEONE **£299.00**

HDMI over Mains Wiring

At last – send an HDMI signal from one place to another without having to run any extra cables. Simply connect your HDMI sources (up to two) to the sender and plug it into the mains. Next take the receiver to the room you want to view in, connect the HDMI output to your display and plug it onto the mains. That's all there is to do, apart from connect plug the IR blaster and receiver. The HDTVA uses some clever electrickery to send your HD signal across your mains wiring so you can watch wherever you like. This kit is quite literally a five minute installation that anyone can do.

Other HDMI over mains products have been on the market before but what we at Keene like about this one is that it also makes use of the earth wire to improve transmission distance and maintain picture quality.

- Plug & Play, Uses your existing power network and eliminates the need to lay cables.
- Unique SmartLink technology ensures coverage throughout your home.
- Operate your connected A/V equipment remotely, using the infrared return feature.
- Through an HDMI splitter built into the transmitter, you can continue to watch your locally connected equipment as well.

TECHNICAL INFORMATION

Supported resolutions: 1080p@60/50Hz, 1080i, 720p, 576p, 480p

Supported audio: PCM, up to 3Mbps

Technology: Power network SmartLink PLC with 500Mbps PHY rate

Video compression: H.264

Latency: (delay) < 260ms

Quality of Service: Smart QoS for video streaming

Range max: 300 metres with SmartLink, 200 metres without SmartLink (SmartLink uses the earth connection)

Kit Contents

1x HDTV transmitter

2x AAA batteries

1x HDTV receiver

1x IR receiver cable

1x remote

1x IR blaster cable with 1 LED

2x HDMI cables

2x plugs + screws

2x power cables

1x user manual

Code HDTVA **£279.00**

HDMI over IP Network

As well as HDMI over (dedicated) Cat5 cable we can now offer transmitter / receiver systems that will send HDMI signals via an IP computer network. Amazingly they place very little load on your network bandwidth and operate as a true multicast - that is to say one transmitter can drive multiple receivers with no extra network load! They really are extremely simple to operate, just plug and play with no in-depth networking capability required. They also provide full IR feedback allowing remote control of source equipment. A flexible, scalable, low cost solution to distributing HD signals to multiple displays. They can be used in Extender Mode (connect the Sender to the Receiver by CAT5e/6/7 cable directly) or Broadcaster Mode (Sender to Receiver via LAN) for one Sender to many Receivers.

The newly updated PB5000Plus units now provide IR feedback and RS232 control

and deliver stunning Ultra High Quality 1080p HDMI Video broadcast over IP network.

Via an inexpensive Gigabit Ethernet network switch the PB5000P can support Point to Point, Point to Many Broadcasting, and Multi-Casting which multiple video sources with PB5000+ Senders video streaming to multiple TVs/Displays/Projectors with PB5000+ Receiver. Multi-casting can be done by Managed Gigabit Switch with 802.1Q VLAN function which provide control remotely and allows more video source/senders to be integrated.

Code PB5000P	Sender/Receiver pair	**£524.54**
Code PB5000PR	Additional receiver	**£394.62**

HDMI over Single Coaxial Extender

Yet another really useful way to get HDMI from one place to another, the PCE122 can send ultra high quality HDMI v1.3 over a single coaxial cable! (RG6 or RG59). It can send full HD 1080P up to 120M or 720P up to 230M, both with full 7.1 channel audio. The conversion is fully digital (HDMI to SDI and back again) with no additional compression and gives you crystal clear HD at long distances. The PCE122 also contains a built-in 1 to 2 Coaxial Splitter to drive two separate receivers and each receiver has a loop-through to daisy chain additional receivers as required. Cables are connected via BNC for a secure, vibration resistant connection.

PCE122 with IR feedback:

Code PCE122IR	(transmitter & receiver pair with IR)	**£542.61**
Code PCE122RIR	(additional receiver with IR)	**£315.70**

Specifications:

- 120M HDMI 1080p video and 7.1channel audio one cable transmission with Ultra High Quality Video
- Features World Leading Single Coaxial Transmission, designed to simplify Installation
- 1080p 120M / 720p 230M long distance Ultra High Quality Video with 7.1 channels surround sound transmission
- Up to 7.1 channels audio, Dolby® Digital / Dolby® TruHD/DTS®-HD pass-thru
- Built-in 1 to 2 Coaxial Splitter in Sender and One Coaxial Cascade output in Receiver for great extension flexibility
- Support 5 layers Cascadable for up to 600M 1080p video transmission and up to 10 TVs/Displays/ Projectors connected
- BNC connector designed for solid coaxial connection
- HDMI v1.3b, HDCP Compliant
- Hassle free plug-n-play, install in seconds

HDMI DVB-T Digital RF Modulator

Use your existing RF aerial cables to distribute HD signals around your house. Simply connect your HD source (eg Sky) to the modulator and tune your HD tv's into your new modulators Freeview channel. The Conexer DMHD01 HDMI DVB-T modulator generates a digital high definition channel from an HDMI source which can be supplied over a coaxial cable network to digital TV sets or STB's in the system. Compatible with all Freeview™ HD TV sets & STB's, the modulator is also compatible with standard Freeview™ TV sets which support H.264. Perfect for distributing a SkyHD, Virgin Tivo, BluRay Player, PC, CCTV etc around the home or office to all TVs connected to your existing RF aerial distribution system

Not only that, the modulated HD channel is also streamed via IP, so if you connect your DMHD01 to your router you will be able to watch whatever is being modulated as a stream direct to your phone or tablet.

Features:

- DMHD01 converts HDMI A/V signals into a High Definition DVB-T multiplex
- Fully programmable via front panel LCD
- LCN function (logical channel numbering allowing user defined EPG location),
- UHF/VHF Band (47-862MHz)
- DVB-T
- 2K or 8K carrier
- DVB-T or DVB-C
- IP streamer

Code DMHD01 **£949.00**

HDMI over CAT5E/5 Extender

The Coosis HDMI Extender over CAT6 extends HDMI at up to 1080P up to 50m over a single CAT5E/6 cable.

Both the sender & receiver support two way IR transmision for full control (one IR receiver and one IR emitter are included in the pack, and an additional IR receiver and IR emitter set can be purchased separately (order code CIRSET) for the two-way feature.

The HECAT6ARC has two distance modes to work at either 0-20m or 20-50m. This switching ensures the most reliable results by avoiding the application of too much gain when it is not required.

Sender input: 1 x HDMI type A 19pin female

Sender Output: 1 x RJ45

Receiver input: 1 x RJ45

Receiver output: 1 x HDMI type A 19pin female

In/Out resolutions: 480i/P, 720P, 1080i/P@60

Audio support: LCPM, AC-3, DTS 7.1, DSD

Power: 5v DC 1000mA, UK adaptor supplied

Dimensions (sender & receiver) 80 x 49 x 25mm

Code HECAT6S50 **£79.99**

HDMI over CAT5

These products make a very affordable method of sending HDMI over long distances whilst preserving the full HD capability. The transmitter converts the HDMI signal into a balanced differential signal and the receiver converts it back into a conventional HDMI signal again. It uses two runs of CAT5E (or CAT6) cable and allows for full auto-adjustment of feedback and equalisation with no user-intervention required.

Long HDMI cables are expensive and unwieldy, whereas CAT5E cable is cheap and flexible making it much more suitable for long distance runs. The HDMIC50 can send HDMI at full 1080p up to 50m (up to 100m at 480p!) They can also be used for DVI-D signals with a suitable adaptor such as the KA169. The HDMIC530 is rated at 1080p at 30m and 480p at 60m.

Code HDMIC530 **£39.99**

Code HDMIC550 **£59.99**

Specifications:

- Input Video Signal: 0.5 -1.0 volts p-p
- Input DDC Signal: 5 volts p-p (TTL)
- Maximum Single Link Range: 1920X1200, 1080P
- Output Video: HDMI 1.3
- Video format supported: DTV/HDTV 1080P/1080i/720P/ 576P/480P/576i/480i
- Size: 45 x 25 x 81mm
- Power Consumption: 5W (max.
- Operating Temperature: 0 to +70 C
- External Power Supply: 5V DC@2A
- HDMI V1.3 compliant

HDMI over Single CAT5

50M System. Some HDMI over CAT5 transmitters require two runs of CAT5 cable. This new item can do the same job with a single run of CAT5 cable, great for adapting existing installations. The modules are plug and play with full auto-adjustment of feedback and equalisation and no user-intervention required.

Specifications:

- Input Video Signal 0.5 -1.0 volts p-p
- Output Video HDMI 1.2a
- Video format supported
- DTV/HDTV 480i/576i/480p/576p/ 720p/1080i/1080P
- Transmission distance
- CAT-6 cable 50M for1080p
- Operating Frequency
- Video Amplifier Bandwidth 1.65Gpbs/165MHz
- Vertical Frequency Range 50/60Hz
- Resolutions(HDTV)
- Interlaced(50&60Hz) 480i,576i,1080i
- Progressive(50&60Hz) 480p,576p,720p,1080p

Please note, in order to achieve the quoted transmission distances please use only CAT-5e or CAT-6 cable.

Code HDEX344 **£99.00**

HDMI Signal Repeater 1080p Value Range

Use one of these to join two HDMI cables and extend the maximum cable distance. The repeater contains circuitry to regenerate the HDMI signal and extend the effective cable length while maintaining all signal components present within the encoded signal, including stereo or 5.1 audio and HDCP encryption. Multiple devices can also be daisy chained as required up to any cable length.

Specifications:

- Extends high definition video and digital audio using a single box solution
- Up to 30m Max cable length, also cascadable
- HDMI Amplifier Bandwith: 1.65GHz
- Dimensions 5 x 2.8 x 1.8cm
- HDMI V1.3 compliant
- Power: DC 5v 170mA max (In most cases, the repeater is able to use the power from the appliance, and no external power adaptor is required)

Code HDMIRV **£14.99**

HDMI extender over CAT5 with IR control

This product makes a very affordable method of sending HDMI over long distances whilst preserving the full HD capability. The transmitter converts the HDMI signal into a balanced differential signal and the receiver converts it back into a conventional HDMI signal again. It uses two runs of CAT5E (or CAT6) cable and allows for full auto-adjustment of feedback and equalisation with no user-intervention required. This model also provides IR feedback along the same CAT5 cables for control of source equipment from the viewing area.

Long HDMI cables are expensive and unwieldy, whereas CAT5E cable is cheap and flexible making it much more suitable for long distance runs. This pair of units can send HDMI at full 1080p up to 50m and can also be used for DVI-D signals with a suitable adaptor such as the KA169

Features:

- Watch and operate your HD Content elsewhere on your TV
- Watch films, look at photographs and listen to music from, for example, your Media Centre PC, Blu-Ray player, game console, set top box or hard-disk recorder on a different TV/projection screen in perfect HD quality
- Operate your connected A/V equipment remotely via the infrared return signal
- Wired signal transmission up to 100 metres!
- Optimum price/quality ratio as a result of using CAT5e/ CAT6 cabling
- Retention of Full HD 1080p image and sound quality for up to 60 metres
- Free from interruption due to solid metal, interference free housing

Code MEG61 **£76.46**

Gigavideo 821 Wireless HDMI Sender

At last, a cable free solution for HDMI. The transmitter has two HDMI inputs and includes a local HDMI pass-through output so you can still view the sources locally. Switch between any of the two inputs and watch the output cable free at a distance of up to 30m (clear line of sight, or typically 15m through walls). The signal is uncompressed so the output will stay as true HD up to and including 1080p. Naturally there's built in IR feedback so you can control the source from the viewing area.

Features:

- Replace your HDMI cable wirelessly and locate your HDTV or projector wherever you want
- Mount the receiver (out of sight) behind your HDTV or on the ceiling next to your projector. No more visible cables
- Watch up to 2 (HD) devices such as Blu-ray® players, digital video recorders (DVRs), HD set-top boxes, PS3™ or Xbox® game consoles or standard DVD players/ recorders elsewhere in your home and easily switch between the sources connected without changing plugs
- The built-in HDMI splitter means that you can also connect an HDTV to the Transmitter so that you can continue to watch the connected devices locally
- Operate your A/V sources from anywhere, even through a wall or cupboard door, using the IR receiver
- The HD signal does not experience any delays and is therefore perfect for game consoles
- Digitally supports all 480p, 720p, 1080i and 1080p (Full HD) resolutions from up to 30 metres
- 100% HDCP compliant

Sends the HD signal uncompressed.

**Please note that although this wireless kit is capable of transmitting a full HD signal through walls and ceilings it does greatly reduce the tranmission distance. As a general rule a 'clear line of sight' transmission is easily achieved up to 20 metres, but this can be effected by local sources of interference from mains points, wireless routers etc. (although a little time re-positioning the transmitter and receiver units can usually get around the problem). For transmissions where the signal is passing through a wall or ceiling, please be mindful of the make-up of the wall or ceiling. Naturally a signal will pass much easier through plaster board and dry-walling than it will a steel-reinforced concrete structure or stone walls, and this will effect the signals transmission greatly. It is also worth noting that if you wish to send a signal through more than one wall or ceiling the transmission distance will be reduced further still and careful consideration needs to be given to where the units will by positioned. If you would like any information or advice to assist you please don't hesitate to get in touch and we will do our best to help.*

We can also offer a solution with a shorter transmission range ideal for 'same room' applications GV811.

NEW LOW PRICE

GV811

Code GV821 **£251.10**

Also available - GV811. A compact model for in-room use in-room (10m range with clear line of sight). Single HDMI input & without IR feedback. See www.keene.co.uk for full specification.

Code GV811 **£239.00**

HDMI over CAT Extender with Audio Return Channel & Two Way IR Control

The Coosis HDMI Extender over CAT6 extends HDMI at up to 1080P up to 50m over a single CAT5E/6 cable.

The Sender features a handy HDMI pass through port for easy connection to both local and remote devices. It also features a coaxial digital audio output for your AV amplifier. When the ARC (audio return channel) function is switched on the coaxial port will independently output the returned audio signal from the remote HDTV - even if the sender unit is off.

Both the sender & receiver support two way IR transmision for full control (one IR receiver and one IR emitter are included in the pack, and an additional IR receiver and IR emitter set can be purchased separately (ref CIRSET). The extra receiver / emitter will be needed to take advantage of the two-way IR feature).

The HECAT6ARC has two distance modes to work at either 0-20m or 20-50m. This switching ensures the most reliable results by avoiding the application of too much gain when it is not required. It also features 9 configurable Av output output options plus an EDID copying mode for maximum compatability.

Sender input:

1 x HDMI type A 19pin female

Sender Output:

1 x RJ45

1 x HDMI type A 19pin female

Receiver input:

1 x RJ45

Receiver output:

1 x HDMI type A 19pin female

1 x coaxial female

In/Out resolutions:

480i/P, 720P, 1080i/P@60

Audio support: LCPM, AC-3, DTS 7.1, DSD

Power: 5v DC 1000mA, UK adaptor supplied

Dimensions (sender & receiver): 100 x 65 x 25mm

Code HECAT6ARC **£119.99**

HDBaseT HDMI Distribution Systems

New from CYP, a range of HDMI HDBaseT distribution amplifiers. Each model will take one HDMI input and send it uncompressed to two, three or even seven outputs. If you don't need the flexibility (and cost) of a full matrix system but want all the advantages that HDBaseT has to offer then these are perfect for both residential and commercial AV installations.

Code PU1H2HBTE	Two Way	**£454.89**
Code PU1H3HBTL	Three Way (Lite)	**£526.71**
Code PU1H3HBTE	Three Way	**£790.06**
Code PU1H7HBTL	Seven Way (Lite)	**£1053.42**
Code PU1H7HBTE	Seven Way	**£1699.84**

Please note PU514LRX receiver is supplied separately, please see website for details

Express Install Multi-room HDMI System

Express Installation Kit - 4 x 4 HDBaseT™ LITE Matrix with PU-514L-RX Receivers. This 4 by 4 HDMI HDBaseT™ Lite Matrix Express Installation Kit has been developed as a robust and cost effective solution at the heart of any four zone multi-room environment. Supplied complete with a HDBaseT™ Lite Matrix plus four PU-514L-RX receivers, the kit enables an installer to easily and confidently configure a 4-zone multi-room AV system using HDBaseT Lite technology and distribute content throughout the system over a Single CAT5e/6/7 cable infrastructure.

The Express Install Kit supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio, and control via IR, RS-232, or Web GUI/Telnet IP, from four high definition sources to four HDBaseT outputs over a single CAT5e/6/7 cable (up to 60m) for each output.

The PU-44XL-KIT is supplied with 4x PU-514L-RX receivers which utilise the 2-way IR control capabilities of the matrix.

Use the IP control feature to enable users to access and control the matrix remotely and also allow additional options for integration of third-party control systems. CYP provide control drivers for control systems such as Control 4, RTI, Crestron, AMX, Control FX, and Demopad. These are available at no extra cost.

Code PU44XLKIT **£1768.71**

HDBaseT Lite HDMI Extender

The PU-513/514 systems allow uncompressed HDMI, IR and RS-232 signals to be transmitted over a Single CAT5e/6 cable to distances of up to 60m.

Features:

- HDMI 1.4 with 3D, 4K×2K support, HDCP and DVI compliant
- Supports HDMI 1.4 (including HDCP) over a single CAT5e/6 up to 60m
- Complies with HDBaseT- Lite specifications
- Full HD resolution support (1080p@60Hz/36-bit), 3D over 60m, 4Kx2K over 40m and PC resolution support (VGA to WUXGA) over CAT5e/6 cable
- HDMI input up to 15m with 8-bit deep colour, or 10m with 12-bit deep colour
- Supports HDMI output up to 15m with 8/12-bit deep colour
- Supports IR and RS-232 Control
- Supports High Definition LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission

With one-way IR (receiver back to transmitter)

Code PU513L **£253.78**

With two-way IR control

Code PU514L **£255.87**

HDMI over single CAT6 transmitter and receiver

The PU-1107 can send and receive a pure digital HDMI signal over a single CAT6 cable allowing HD Audio & 'deep colour' support.

Features:

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant
- v1.3 HDMI over single CAT6 transmitter and receiver set
- Resolution supported: HDTV - 480i to 1080p including 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- Supports CEC bypass
- Supports xvYCC
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality
- Supports Deep Colour (up to 12 bit)

Code PU1107 **£175.34**

HDMI over CAT5/E Extender

The CYP PU1106 HDMI over CAT6 Extender Set with IR Pass-through is the perfect solution to extend HDMI signals via CAT cabling up to 40m. The PU-1106 also allows you to use your existing Remote Control to control your device with the included IR Receiver & Blaster.

Code PU1106 **£208.43**

Features:

- v1.3 HDMI, HDCP 1.1 and DVI 1.1 compliant.
- HDMI over CAT6 Extender Set.
- Resolutions supported: PC - VGA to WXGA; HDTV - 480i to 1080p plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM.
- Compatible with CAT-5E and CAT-6 cables. CAT-6 is recommended for better performance.
- Supports CEC functions & IR blaster.
- Supports 'Deep Colour' (10, & 12 bit) - Transmission distances may be reduced at higher colour depths.
- Equalises and recovers incoming TMDS data before re-transmitting to ensure optimum signal quality.
- Supports xvYCC.

HDMI over CAT5E/5 Multiroom Distribution System

This is a great value HDMI over Cat cable distribution system that allows you to mix and match between stand-alone and wall-plate receivers. All types support 3D and provide IR feedback!

The sender unit takes a single HDMI input and transmits it via twin runs of CAT cable to up to four outputs up to a distance of 30.0m without signal loss.

This unit receives HDMI signals sent from the transmitter unit

This unit is the wall-plate version which receives HDMI signals sent from the transmitter unit

Features:

- Easy connection and installation
- Supports 24/36bit deep colour video formats
- Supports LPCM/LPCM7.1/DSD/DVD audio Dolby®-AC3/ DTS5.1/DTS-HD/DTS master audio/Dolby® Digital Plus and Dolby® True-HD audio formats
- Can be used with stand alone or wall plate HDMI receivers
- Requires two Cat5e/6 STP/FTP cables per receiver (not supplied)
- Power required for the transmitter unit only

Specifications:

- HDMI version: High speed with 3D support
- HDCP version: 1.2
- Resolution: 1080P/1080i/720P/576P/576i/480P/480i
- Data transfer rate: Max 6.75Gbps
- Dimensions of transmitter: 111 x 75 x 23.5mm
- Weight of transmitter: 1190g
- Weight of power supply: 165g
- Power supply: 9Vdc 4A
- Dimensions of stand alone receiver: 82.4 x 69.5 x 22mm
- IR emitter and receiver lead length: 1.5m
- Dimensions: 33 x 14 x 19mm

You can buy them as individual components:

Code H4T	4 output transmitter	**£229.00**
Code H4SR	Stand alone receiver	**£46.00**
Code H4WR	Wall plate receiver	**£46.00**
Code H4IRR	IR receiver unit	**£8.99**
Code H4IRE	IR emitter	**£8.99**

Or as complete kits including the IR receivers and emitters:

Code H4KIT1	with 1 x transmitter, 2 x stand alone receivers, 2 x IR receivers and 1 x IR emitter	**£315.00**
Code H4KIT2	with 1 x transmitter, 4 x stand alone receivers, 4 x IR receivers and 1 x IR emitter	**£399.00**
Code H4KIT3	with 1 x transmitter, 2 x wall plate receivers, 2 x IR receivers and 1 x IR emitter	**£315.00**
Code H4KIT4	with 1 x transmitter, 4 x wall plate receivers, 4 x IR receivers and 1 x IR emitter	**£399.00**

H4KIT2

H4KIT4

You can also use two wall plates as a single room-to-room option:

Code HWPK 4 output transmitter **£79.99**

HDMI 4K Scaler

The SY-4KS HDMI Scaler is designed to upscale 1080p@24 signals to 4K Ultra High Definition (UHD) resolutions, or downscale a UHD 4K signal to 1080p@24 for integration into any AV system. The ability to downscale 4K signals to 1080p is a crucial function when working with 4K sources in a complex AV system and distributing the HDMI sources to multiple displays which have varying resolution support. This device allows the user to select the highest commonly supported resolution between source and display ensuring maximum compatibility in any system. The SY-4KS incorporates two HDMI outputs, one of which is a bypass (input follows output), and the second is a scaled output. The scaled output can be set to three modes, upscale to 4K, downscale from 4K, or as a bypass output. Both the bypass output and scaled output operate simultaneously.

Features

- Supports HDMI upscaling to 4K or downscale to 1080p@24
- Supports HDMI signal bypass
- Simultaneous HDMI outputs

Specifications

- Inputs 1x HDMI [1x HDMI Uncompressed AV and Data]
- 1x USB Mini B [1x Service Port Propriety Data]
- Outputs 2x HDMI [2x HDMI Uncompressed AV and Data]
- PSU: 5V/2.6A

Code SY4KS **£167.59**

HDMI FAQ

I want to split my HDMI signal

This requires a Distribution Amplifier - something that takes one signal in and gives you multiple identical signals out. You would use one of these where you'd like one source to be sent to multiple displays.

People also sometimes call these "splitters" as you are in affect splitting one signal into many. Splitters are more usually used to refer to analogue audio and video devices as these can be "split" passively in a crude fashion without any electronics. A distribution amplifier contains circuitry to buffer the signal and ensure that each output is the same as the input. Even if you wanted to you cannot passively split an HDMI signal (because it is digital) so the correct terminology is a Distribution Amplifier.

I want to go from a scart to HDMI

That's no problem, but because you are converting an analogue signal (Scart) to a digital one (HDMI) you need an electronic box of tricks in the middle. Although we get asked many times, it is sadly impossible to simply chop an HDMI plug off and solder on a scart cable in its place. (OK, it's not impossible but it definitely wouldn't work!). There are plenty of convertors that will perform this task and also upscale the analogue video signal as well.

I want to go from an HDMI to a scart

This is possible but trickier depending upon what the HDMI source is. HDMI from a commercial source (such as a DVD player or set top box) will almost certainly contain HDCP copy protection (see info panel) and cannot be converted back to analogue. If the source is non HDCP (eg camcorder) then there are several boxes to perform this task.

Can I send 3D HDMI to other rooms in the house?

3D from a Blu-ray player will only work via a correctly specified HDMI cable or an HDBaseT extender. Lower resolution interlaced 3D from sources such as Sky will work with almost all of the other extender systems.

I haven't got enough HDMI sockets on my TV

In this instance you need a switchbox - something that will take a number of HDMI devices in and let you choose which one is routed to the output. Switchboxes can be automatic (switch to last device switched on) or manual (front pushbutton and/or IR control).

I want to send an HDMI signal to another room in the house

There are several ways to accomplish this. You can choose between:

a) A very long HDMI cable

advantages: Preservation of all content. Some of the other methods will not send multichannel audio for example.

disadvantages: long HDMI cables are usually thicker and so unwieldy and difficult to route through wall space and trunking.
Max length usually 20m. Notoriously unpredictable results depending upon equipment used. IR feedback will require other equipment.

b) HDMI over CAT5/6 (baluns)

advantages: CAT5 cable is cheap by comparison and flexible so easy to run through wall spaces and trunking. Max length can be up to 60m.

disadvantages: some models do not provide IR feedback. some models require two separate runs of CAT5.

c) HDMI over HDBaseT Uses different technology to other HDMI over CAT5 extenders to give amazing results.

advantages: One single CAT5E cable send crystal clear 3D HDMI at 1080P with 7.1channel audio and also provides IR control, RS232 and extend your 100Mbps LAN.

disadvantages: relatively expensive

d) HDMI over IP network

advantages: If the IP network is already installed then no extra cabling is required. Can also be used with homeplug ethernet over mains adaptors. IR feedback is built into the unit. Plug and play with no configuration. Other network receivers can easily be added in different rooms.

disadvantages: The audio output is stereo not multichannel. The IP router needs to be compatible with multicast. The HDMI signal is dynamically compressed (although in practical terms it's extremely hard to notice).

e) Wireless HDMI video sender

advantages: neat and tidy - no cables to worry about. IR feedback built in. Easy to move from room to room. The HDMI signal is uncompressed.

disadvantages: relatively short range, most suited to within room or adjacent room use.

Internet Controllable Mains Switch

New from Keene, the IPMSW1 is an IP controllable mains power switch. It has two independent mains outlets that can be controlled in a number of ways.

Features:

- Simple browser button based on / off control.
- Full browser based set-up and timer configuration.
- Adjustable power fail re-start options allow each switch to delay up to 255 seconds before switching on. Ideal for remote re-start of systems that require 2 stage start ups.
- 3 timer events per switch with daily weekly or monthly repeats.
- During each timer event the switch can be set to either on or off.
- Own IP address, so can be controlled via internet using port forwarding.
- Support for DDNS.
- Manual override button for each switch.
- Optionally use internet time servers to set internal clock.
- Internal "Real Time Clock" IC with 5 year battery backup.

Code IPMSW1 **£119.99**

Mains Conditioner For Home Cinema And Hi Fi

A useful upgrade for any setup, this is an affordable yet extremely well designed unit that delivers impressive results. This unit contains a powerful Mains Conditioning Filter which will reduce or eliminate mains interference coming through the mains electric supply and help to enhance your sound and picture quality. It also incorporates Surge Protection for complete piece of mind.

Specifications:

- Max Current rating 13A
- Max Surge Protection L-N 6500A, L-E 4500A, N-E 4500A
- Max Voltage Spike Protection 6,000 Volts

Features:

- 2m Screened Mains Lead to prevent RFI

'What Hi-Fi Magazine gave this a 5 star Award:
"The six-way mains conditioner delivers truly dynamic audio gains. Comparing it's performance to the 'unconditioned' sound, our reference CD/Amp system enjoys greater separation and focus of sound, and greater clarity and confidence in the mid range. Bass is burlier and better integrated, too. In a nutshell? It really does work."

Code CS929 **£29.99**

Power Ethernet Sockets

The PE200AV Power Ethernet Sockets embed all the electronics inside a standard wall power socket. The technology allows the use of the existing mains cables as a way to transmit high speed data and environmental services throughout the building without the cost and disruption of installing additional cabling.

- No rewiring required
- Simple to install by any electrician – simply replace a power socket with an Power Ethernet Socket
- Reduces infrastructure costs by using existing mains cabling throughout the building
- Minimises installation disruption — no need to lift floor panels and replacing a socket is quick and easy
- All Ethernet points automatically mesh together into a secure network without needing a patch panel and Ethernet switch
- Much cheaper to replace existing power sockets with PE Sockets than to add additional structured cables

Code PE200AV	each	**£79.00**
	for two	**£156.00**
	for four	**£300.00**

What is X10?

X10 is a communication protocol for remote control of mains electrical devices. It works by passing control signals through your existing mains wiring. There are two essential parts to an X10 installation; a transmitter and a receiver. The transmitter generates the control signal ('switch on', 'switch off', 'brighten' or 'dim') and these signals are acted upon by receiver modules connected to the mains within the house. In essence, X10 allows you to assign a unique "address" to every electrical item you want controlled. Commands can then be sent to each particular address, allowing items to be turned on and off, (or dimmed) as required. There are a number of different ways to send a command to an "address", either by a timer, remote control, computer control, wall switch or even by telephone. You can have up to 256 unique addresses per house, and of course some devices can be set to the same address so that one command can switch them all on or all off at the same time. You can buy individual modules to build a system, or buy a starter kit to get you going. Because X10 uses your existing house wiring there are no extra cables to run and the beauty of the system is that you can expand it almost endlessly. Most of the X10 products require no DIY skills at all, you just plug the devices in and start using them. A few of the products (wall switches etc) do require some basic electrical DIY skills for safe installation and operation. (As ever, if you're in doubt please consult a qualified electrician.)

Many more X10 modules and controllers to choose from on www.keene.co.uk

X10 Transceiver Module

The transceiver module catches the radio signals emitted by any X10 compatible transmitter (eg KR22E, SS13E etc) and converts them into X10 signals for the mains wiring. It simply plugs into the mains wherever you find convenient and looks very much like an appliance module with a small aerial attached. The transceiver module also has an outlet socket and can be used like an appliance module although its address code cannot be altered from address code 1. It has an effective reception range of around 30 metres so normally one (centrally located) transceiver module is enough to ensure that an X10 remote will work more or less anywhere within the house.

Code TM13U **£19.85**

X10 Appliance Module

AM12 Appliance / Switch Module

Simplicity itself, just unplug the device you want controlled, plug this into the socket then plug the device back in. Set the X10 address as needed and you now have instant X10 control. The module can switch on or off an appliance of up to 13 amps, ideal for kettles, fans, heaters, lamps, etc.

For appliances and low energy lamps

Code AM12U **£22.30**

X10 Lamp Module

Gives you instant X10 control of any plug in lamp. Plugs into a 13 amp socket and will switch on/off lamps plugged into the module's standard 3 pin socket. In addition it can dim/brighten (standard tungsten or halogen filament bulbs only, NOT fluorescent).

Load 40W (minimum) 300W (max) incandescent lamps only.

Soft start and smooth dimming features.

Can be regulated from 0% lighting to the desired dim setting.

Code LM12U **£22.30**

X10 Internet Control

Use your smartphone or tablet to operate your X10 devices. The TIP10RF connects directly to your network router and sends commands wirelessly to the nearest transceiver, e.g. TM13U. No need to leave your computer turned on. Download the free Android app from the Play Store. (iOS app to follow shortly.

Code TIP10RF **£52.00**

TWIN Mains Outlet with USB Charger

A great solution for modern life! Simply replace some of your mains outlets with these and you'll never be without an easy way to charge your phone/tablet/camera/MP3 player. Ideal for households where the chargers never quite seem to stay where you put them, plus it frees up your mains sockets again. Easy to install, the faceplate will fit into any standard double backbox (minimum depth of 25mm). The USB charging sockets are limited at 2A (shared) and if the current exceeds this, it will automatically trip off to protect your devices.

Features:

- switchable UK 3-pin power sockets PLUS 2x USB charging ports
- Free up your UK mains sockets and plug
- Fits any standard double backbox (min depth of 25mm)
- Surge and spike protected
- 2A intelligent split allowing optimum USB charging rate rather than a reduced slower rate
- Ideal for charging mobile phones, MP3 players, cameras, games consoles and much more
- No adaptor required
- Maximum 5V 2A

Specifications:

Working Voltage: 250V 13A
Operation temperature: -15C to +40C
USB Outlet: 5V 2A
Power sockets: 2x 250V 13A
Dimensions: 85(H) x 145(W) x 25(D)mm

Code TGUSB **£14.99**

15pin HD outlet plates

Standard size white wall single outlet plate with a 15pin HD female connector. The rear of the plate also has a 15pin female socket making it easy to connect to premade 15pin HD cables.

Code HCP21	white	**£9.99**
Code HCP21S	brushed steel	**£15.99**

15 pin QC plate

The HCP21 15 pin HD wall outlet plate is also now available in a "quick-connect" solderless version. This "QC" series plate has both an internal 15 pin HD female socket as well as screw terminals meaning you use pre-made cables or make solderless connections to bare wire ends. The terminal blocks are rising clamp style 6A rated and will accept cables up to 1mm sq.

Code HCP21QC **£13.99**

15 pin QC plate steel

The HCP21QC is also available in a brushed steel finish.

Code HCP21QCS **£22.99**

HDMI outlet plates

From Keene, a wall plate with an HDMI socket at the front and a PCB mounted rear socket. The rear socket is aligned such that a side entry HDMI cable should pass through one of the side knock-outs in a std metral rear pattresses. Depending on the size of plug used some modification to the pattress may be necessary.

We can supply this item as follows:

Code HCP26	single, white	**£19.99**
Code HCP26D	double, white	**£29.99**
Code HCP26S	single, steel	**£39.99**
Code HCP26SD	double, steel	**£54.99**
Code HCP26FC	single white with flexible rear connector	**£29.99**
Code HCP26FS	single flat brushed steel finish	**£39.99**

19" AV Rack Panels

Rugged 19 inch AV patch panels powder coated black.

24 x "F" Socket couplers 1U

Code PP1 **£69.99**

12 Pairs Speaker Posts 1U

Code PP2 **£89.99**

12 Pairs RCA Phono Sockets 1U

Code PP3 **£99.99**

8 Sets Composite & Stereo 1U

Code PP4 **£99.99**

22 x BNC Couplers 1U

Code PP5 **£99.99**

14 x Speakon Sockets 1U

Code PP6 **£99.99**

14 x 3 Pin XLR Female 1U

Code PP7 **£109.99**

14 x 3 Pin XLR Male 1U

Code PP8 **£109.99**

Brush Opening 1U

Code PP9 **£14.99**

Brush Opening 2U

Code PP10 **£24.99**

24 x CAT5E 1U

Code PP11 **£29.99**

24 x CAT6 1U

Code PP12 **£34.99**

14 x HDMI Couplers 1U without tie bar

Code PP13 **£179.00**

14 x HDMI Couplers 1U with tie bar

Code PP14 **£199.00**

16 Port Switchcraft Blank 1U

Code BPP16 **£69.00**

32 Port Switchcraft Blank 2U

Code BPP32 **£80.68**

Choose from a huge range of Switchcraft chassis mount AV sockets and couplers on www.keene.co.uk

IR Signals Explained

I think we are all aware that infrared is just light that we cannot normally see. It is light at the low (red) end of the visible spectrum, and shares many of the properties of visible light. Like visible light infrared travels in straight lines and will not go around a corner unless there is something about that will reflect it or refract it. Also like visible light it is reflected by white surfaces and usually absorbed by dark surfaces.

It is worth noting that IR emitter LEDs, the sort of thing that is used in remote controls etc, are like a torch and they have a narrow beam, and will only "shine" onto a narrow area. A 10 or 15-degree beam width is not unusual.

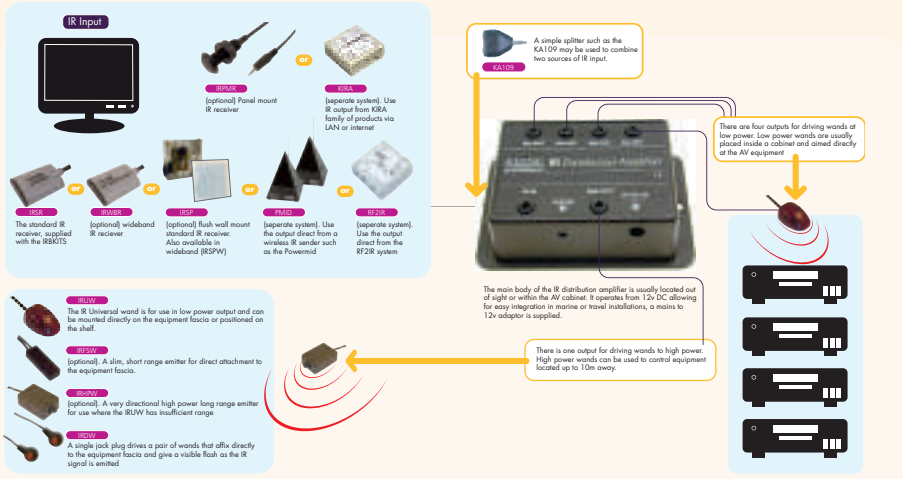
When you press a button on your remote control a microcontroller switches the IR emitter on and off very quickly in a predetermined sequence. This stream or sequence of IR "data can contain up to as many as 50 digits. The IR receiver on the equipment you are controlling picks up this IR data, sends it to its microcontroller to be decoded and responds accordingly - or at least it should do!

Why on earth would I want to get an IR distribution amplifier?

With an ever increasing number of set top boxes, media streamers, switchers and recorders etc it is often convenient, in fact sometimes essential for domestic harmony, to be able to locate much of the equipment in a small room or cupboard out of sight. Unless you want to get up and go to the cupboard / room / loft or wherever every time you want to change the channel or volume, you will ideally need some means of controlling all this equipment from your armchair. This is where an IR distribution system comes in.

An IR distribution system is basically expected to receive the IR signal and then send it out or "emit it" again in another location. Over the years they have evolved and improved, and now the IR receiver, the distribution amplifier and the emitter are usually separate components. The receiver can be positioned where you find convenient – usually somewhere near to the display. The receiver picks up the signal from your remote and sends this to the distribution amplifier which in turn sends it back out as IR to one or more emitters to control the equipment. The net effect is that you can control your hidden equipment as easily as if you were pointing the remote directly at it.

There are many ways in which the receiver can be connected to the distribution amplifier, including dedicated cable, RF aerial cable, wireless (radio) or even an IP computer network. We hope that you can use this guide to see what systems are possible and select the right products to make your own AV system easy for everyone to control.


IR Input
IRPMR
(optional) Panel mount IR receiver
KIRA
(seperate system). Use IR output from KIRA family of products via LAN or internet
IRSR
The standard IR receiver, supplied with the IRBKITS
IRWBR
(optional) wideband IR reciever
IRSP
(optional) flush wall mount standard IR receiver. Also available in wideband (IRSPW)
PMED
(seperate system). Use the output direct from a wireless IR sender such as the Powermid
RF2IR
(seperate system). Use the output direct from the RF2IR system
KA109
A simple splitter such as the KA109 may be used to combine two sources of IR input.
There are four outputs for driving wands at low power. Low power wands are usually placed inside a cabinet and aimed directly at the AV equipment
The main body of the IR distribution amplifier is usually located out of sight or within the AV cabinet. It operates from 12v DC allowing for easy integration in marine or travel installations, a mains to 12v adaptor is supplied.
There is one output for driving wands to high power. High power wands can be used to control equipment located up to 10m away.
IRUW
The IR Universal wand is for use in low power output and can be mounted directly on the equipment fascia or positioned on the shelf.
IRFSW
(optional) A slim, short range emitter for direct attachment to the equipment fascia.
IRHPW
(optional) A very directional high power long range emitter for use where the IRUW has insufficient range
IRSW
A single jack plug drives a pair of wands that affix directly to the equipment fascia and give a visible flash as the IR signal is emitted

IRBKIT

The classic in-cabinet solution that puts your remote back in control and routes IR commands to wherever they are needed. This unit can be expanded to provide a solution to almost any IR control problem. Multiple input/output options are available and you can add extra receivers and emitters as required (see p28~29 for more details). It is available ready to use in a number of configurations:

Basic Kit

This kit, comprising the Keene IR Distribution Amplifier, 240V UK mains power adaptor, 2 x universal emitter wands IRUW and instruction leaflet. Requires input device or IR receiver (not included).

Code IRBKIT **£39.99**

Basic Kit plus Standard Receiver and High Power Wand

This is a complete kit, comprising the Keene IR Distribution Amplifier, 240V UK mains power adaptor, 1 x universal emitter wand, 1 x High Power emitter wand, 1 x Standard IR receiver (IRSR) and instruction leaflet.

Code IRBKITSH **£49.99**

Basic Kit plus Fascia Mount Receiver

Complete in-cabinet IR Distribution solution with 2 x Universal Wands and a Fascia Mount IR receiver.

Code IRBKITF **£49.99**

Basic Kit plus Panel Mount Receiver

This is a complete kit, comprising the Keene IR Distribution Amplifier, 240V UK mains power adaptor, 2 x universal emitter wands (see output component [IRUW] page 28), 1 x Panel Mount IR receiver and instruction leaflet.

Code IRBKITPB	(Panel mount receiver in black)	**£65.00**
Code IRBKITPW	(Panel mount receiver in white)	**£65.00**

Basic Kit Plus Standard Receiver

This is a complete kit, comprising the Keene IR Distribution Amplifier, 240V UK mains power adaptor, 2 x universal emitter wands IRUW, 1 x Standard IR receiver IRSR and instruction leaflet. (HINT – This is far and away our most popular kit so if you're wondering where to start this is a really good choice. You can easily add to it and expand the system later if needed.)

Code IRBKITS **£48.00**

IRBKIT MINI

The Keene IRBKIT MINI is a very compact IR Distribution Amplifier. It allows you to use your remote control on equipment located in positions where your remote wouldn't normally work. For example, equipment placed inside cabinets with closing doors or located on shelves behind you or around a corner. Because of the compact size and light weight the IRBKIT mini can also be attached to the rear of a wall mounted display, ideal for use with items such as Apple TV®. It also features an electronically isolated "Direct" input, allowing direct connection to the IR Blaster output from any other manufacturers products, very useful with CAT5 Extenders where the single Blaster output cannot control all of the source equipment.

The unit is very flexible, allowing for a number of configurations that will solve most IR control problems.

- USB Power Connection
- Compact Size (60x35x20mm)
- Dual IR Outputs
- Standard IR Receiver Input
- Direct Universal IR Input

IRBKIT Mini with Fascia Mount Receiver

IRBKIT Mini supplied with a Fascia mount receiver and a single emitter. This is designed to allow IR control of devices out of sight behind the display or cabinet. An additional IR emitter may be added later if required. Supplied complete with a mains to USB power supply.

Code IRBKITMF **£65.17**

Also available without the mains to USB power supply. Choose this option if you have have a nearby spare USB port that can provide power.

Code IRBKITMFC **£58.19**

IRBKITMF

IRBKIT Mini with Direct Cable Input

IRBKIT Mini supplied with 2 x IRDW Dual Blinking Wands (four emitters) and a direct input cable (no receiver). This is designed to re-distribute the IR Blaster output from another device, eg HDMI extender. Supplied complete with a mains to USB power supply.

Code IRBKITMD **£63.71**

Also available without the mains to USB power supply. Choose this option if you have have a nearby spare USB port that can provide power.

Code IRBKITMDC **£54.41**

IRPRO4 SYSTEM

The IR Pro4 Distribution amplifier has some powerful features for demanding installations. It has four IR Receiver inputs, and uniquely all four receivers can be located in the same room if needed. Normally multiple IR receivers will cause timing issues and poor performance but the Pro4 has "BestSelect" technology which automatically locks on to the strongest IR signal and shuts down the other inputs within a fraction of a second, only releasing them again when the code sequence is complete. It also features a direct cable input to redistribute other manufacturers IR Blaster outputs and it can drive up to four dual power IR emitter outputs. The flexible design allows for a number of configurations that will solve most IR control problems.

The IR Pro4 is very flexible, allowing for a number of configurations that will solve most IR control problems.

- Four BestSelect IR Receiver inputs
- Direct cabled input that can be used with other manufacturers IR Blaster outputs
- Four IR Emitter outputs for use with any Keene IR emitters
- USB power option

IRPRO4 Basic Kit

IRPKIT4 is the basic kit containing the IRPKIT4 Distribution amplifier, USB Power Cable and a UK mains adaptor.

Code IRPKIT4 **£61.74**

IRPRO4 with Standard IR Receiver

IRPKIT4S2 Is the Basic kit plus a Standard IR receiver and two universal IR emitter wands.

Code IRPKIT4S2 **£87.01**

IRPRO4 with Fascia Mount Receiver

IRPKIT4F2 is the Basic kit plus a Fascia Mount IR receiver and two universal IR emitter wands.

Code IRPKIT4F2 **£87.50**

IRPRO4 with Panel Mount Receiver

IRPKIT4B2 Is the Basic kit plus a Panel Mount IR receiver (black) and two universal IR emitter wands.

Code IRPKIT4B2 **£99.17**

IR Universal Wand

The Universal wand is ideal for most applications and can be mounted directly onto the equipment fascia or placed on the shelf in front. Dimensions of emitter: L 21mm x W 19mm x D 7mm. Fitted with a 1.2 metre cable.

Code IRUW **£5.99**

IR Single Blinking Wand

This is a small discrete emitter that can be mounted directly onto the device's fascia by means of a small sticky pad. A small red LED 'blinks' each time an IR signal is emitted as confirmation that the command has been sent. Dimensions of emitter: L x 10mm x W 10mm x D 5mm. Fitted with a 3 metre cable.

Code IRBW **£9.49**

IR Dual Blinking Wand

The single jack plug drives two IR emitter wands. The emitters are extremely tiny (just 9mm across) and are supplied with double sided adhesive pads to affix directly to the equipment fascia. The emitters actually flash red as the IR signal is emitted giving visual confirmation that the IR signal was received and transmitted correctly.

Code IRDW **£9.99**

IR Low Power Wand

Can be attached directly to the equipment facia or will work up to 4 metres away. Even when attached directly the equipment will still respond to external IR signals. For use with the RBKIT low power output sockets.

Code IRLPW **£5.99**

IR High Power Wand

Only for use with the Keene IRBKIT in the "High Power" output socket. Provides a very high output IR signal that will operate equipment up to 10 metres away. If placed inside a cabinet the signal will usually reflect to operate several items of equipment without requiring any other emitters. It can also be used with other Keene IR Distribution amplifers or the IRBKIT low power socket but will then only perform as a low power emitter. Not suitable for one-to-one operation.

Code IRHPW **£7.99**

Side Firing Wand

A short range emitter for direct attachment to the equipment fascia. Low profile design ideal for use in tight spaces. Dimensions of emitter: L x 25mm x W 9mm x D 6mm Fitted with a 1.2 metre cable.

Code IRSFW **£7.99**

Keene IR Receiver Adaptor KRECA

This device allows Keene IR receivers to be used with other manufacturers IR distribution systems, for example Xantech, Onkyo, Harmon Kardon etc. The design allows a number of parameters to be changed including:

Data (5v or 12v) and Carrier signal (exclude / include). Supplied complete with a 3.5mm jack to jack 1.2m link cable.

Code KRECA **£39.99**

Anything To Keene IR Translator KIRT

The Keene IR Translator is designed to allow you to connect the IR wand output from any device directly into the IR receiver input of any Keene IR equipment, such as an IRBKIT, IRCM, IR Anywhere module etc. This is particularly useful with HDMI video over distance systems as the single IR wand output is usually insufficient for effective control of multiple sources. The 3 pole input connector is optically coupled and will work with any connection as positive or negative. Compatible with IR frequencies between 10Khz - 200KHz.

Code KIRT **£19.99**

Also available KIRT12 for non-keene 12v based IR systems **£19.99**

IR Emitter Shield

Keene IR Emitter Shield. A soft flexible rubber cover that will prevent unwanted IR cross talk.

Can be used with all Keene and most other manufacturers IR Emitters

* Improves IR Signal to noise ratio

* Prevents IR signals from interfering with other equipment

Overall dimensions 37mm x 29mm

Internal space for emitter 27mm x 14mm (widest) x 7.5mm (deepest)

Single IR Shield

Code IRSHIELD **£3.49**

Pack of Four IR Shields

Code IRSHIELD4 **£9.99**

Pack of Ten IR Shields

Code IRSHIELD10 **£19.99**

Fascia Mount IR Receiver

This IR receiver is designed to be affixed directly to the fascia on your display. Super fast electronics and a semi-wideband capability make it really effective to use whilst it's compact size makes it very unobtrusive. The LED provides visual confirmation that the signal has been received. Typical IR receivers require a minimum of 10 cycles before they can "lock" onto the signal. This receiver will work with just 3 or 4 cycles. This fast circuitry enables it to work with set top boxes that use very short bursts of IR code (known as RCMM code), as used for example by some BT Vision set top boxes.

Code IRFMR **£14.99**

Standard IR Receiver

Standard IR Receiver 40kHz suitable for most domestic AV equipment.

Code IRSR **£12.99**

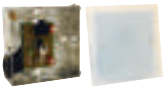
Wideband IR Receiver

Wide Band IR Receiver Up to 100kHz – for more esoteric equipment.

Code IRWBR **£18.99**

Wall Plate IR Receiver

IRSR built into a single gang pattress with translucent finish flush wall plate



Code IRSP **£24.99**

Panel Mount IR Receivers

An Infra Red panel mount receiver designed to be used with any Keene IR Distribution amplifier. This receiver can be fitted into the cabinet casing or studded wall.

- Requires a 16mm diameter hole
- Overall thread length 44mm
- Maximum material thickness 38mm
- Visible bezel diameter 30mm
- Connection is via a 1m cable to 3.5mm jack plug

Code IRPMR	black	**£29.99**
Code IRPMRW	white	**£29.99**
Code IRPMRB	brass	**£34.99**
Code IRPMRC	chrome	**£34.99**

SKY Digital Remote Control Link Magic Eye

Sky digital satellite systems have two RF aerial outputs. The 2nd RF output can be run to a remote television (typically a bedroom or kitchen) to allow you to view Sky. Once you've done this you can then easily control the digibox from your second TV by adding a magic eye; simply connect it in-line with the aerial by the remote TV, place the remote "eye" on top of the TV and you now have infra-red control of your digibox from the remote TV.

Code SKYLINK **£6.99**

Wired Eye

An ingenious device, this utilises the ability of a Sky receiver to be controlled via its 2nd RF input and provides a "hard-wired" in cabinet control solution. Instead of affixing an IR emitter directly to the receiver front panel you can now connect the IR output from the IRBKIT, IRCM or IR Anywhere module directly to this Wired Eye which in turn sends the correct signal to the receiver via the coax connection. Gives 100% reliable results and is invaluable in preventing cross talk in multi-receiver installations.

Code KWE **£19.99**

Global IO-Link RF Adaptor

This device plugs into the multi-pin socket found on the back of Sky HD boxes that have no RF2 output. It provides an RF output for RF based viewing at multiple TV locations. It also enables Infra Red control via the TV Link Sky Eye / Magic Eye type IR controllers that use the RF2 socket.

If you want to use this for remote viewing via coax please be aware that the RF output is an analogue signal not a digital (Freeview) type.

Code IOLINK **£14.99**

Also available bundled with a SKLYLINK Sky Eye

Code IOLINKDEAL **£19.99**

IR Over RF Aerial Cable

If you've used RF aerial cable to run signals to another TV in the house you can use the same cable for IR control. The Keene RF2IR product allows IR control signals to be distributed via conventional aerial coax cable. The IR receiver is the same as that used by the common "sky-eye" type systems although it is not limited to satellite receivers and may be used with almost all IR controllable AV equipment. It allows easy IR control from any remote TV that is connected by aerial cable to the source equipment.

To use simply connect the "eye" receiver in-line with the TV aerial on the remote TV and the RF2IR in-line with the aerial at the source. IR signals picked up by the eye receiver will be relayed along the aerial cable, decoded by the RF2IR and output to an emitter wand to control the source equipment. The output from the RF2IR can also be fed into an IR distribution amplifier such as the IRBKIT to control multiple items inside a cabinet.

Very effective where wireless RF type solutions don't have enough range or in cases where you want to keep any extra 'black boxes' to a minimum.

Other options are available: RF2IRL – If you already own an IRBKIT distribution system you could save a little and share the power supply. If you would like an IRBKIT distribution system as well, you can also save some money by buying the two together.

Code RF2IR **£44.99**

Code RF2IRL **£39.99**

Code RF2KIT with IRBKIT distribution system **£69.00**

Aerial Splitter with DC Pass-Through

Aerial splitter/combiner with DC pass through suitable for use with Skylink and Triax IR control systems.

Female/Male/Male (socket to 2 x plugs)

Code KA121DC **£4.99**

Also available as Male/Female/Female

Code KA121DCF **£5.99**

Analogue RF Modulator

The Keene wideband modulator enables a camcorder, security camera, DVD, VCR or any other device with AV (audio video) output to be connected to the aerial socket of a TV. It can be left permanently connected and used to distribute signals to other TV's via the RF aerial cable. The AV signal can be positioned on any vacant RF channel between 21 and 69. This means, for example, that the signal from a security camera could be introduced into the aerial lead and viewed in the same way, and as easily as any normal broadcast signal. There is a seven segment LED display for clear channel indication, together with a last channel memory in the event of a power failure.

Supplied complete with UK mains adaptor

Specifications:

- Power: 12vDC 150mA
- Modulation level: Factory set for 75%.
- Composite video plus audio input
- Scart input (can be used as buffered loop through output)
- RF Channel: (PLL) channel 21-69
- Compact size (120mm x 85mm x 30mm)
- Weight: 150g

Code KRFTW **£29.99**

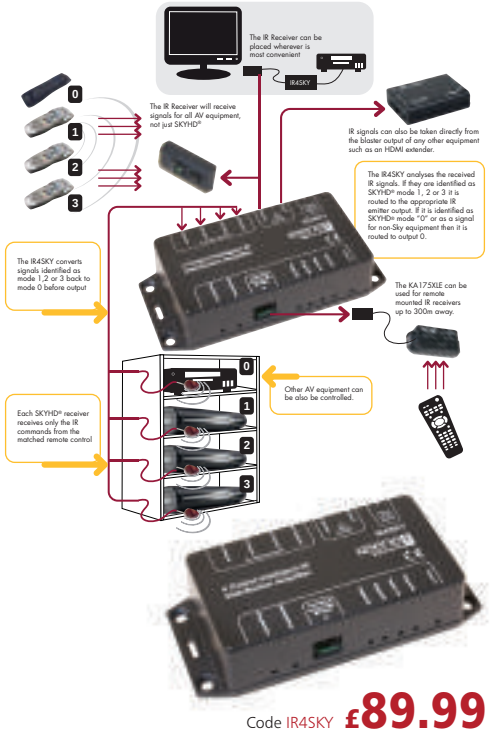
Keene IR4SKY Intelligent IR Distribution Amplifier

The Keene IR4SKY is a sophisticated IR Control Distribution device, designed primarily for use with UK SKYHD® satellite decoders. It is particularly suited to installations of multiple SKYHD® receivers as it is able to overcome the problem of receivers of the same type all responding to the same IR command. The IR4SKY is able to match the signal from a particular SKYHD® IR remote control and route it a specific receiver output as required.

It achieves this by making use of a facility already built-in to the SKYHD® remote control. The supplied remote control for each SKYHD® receiver can be set to one of four different modes, (0,1,2 & 3). The IR4SKY is able to distinguish between the IR signals from these different modes, and use that information to route the command to the required output. Before the IR signal is output it is automatically translated back into the correct mode (0) to operate the receiver. IR signals for other non-SKYHD® AV devices such as DVD players etc are all routed through to output 0.

- Individually control up to four SkyHD Satellite receivers in the same location
- Prevents all receivers responding at the same time
- Use the original IR Remote Controls
- Also acts as an IR sender for your other AV equipment in the same cabinet
- Easy to set-up - no programming skills needed

Keene Intelligent IR Distribution System for Multiple Sky HD Receivers


The IR Receiver can be placed wherever is most convenient
IR4SKY
0
1
2
3
The IR Receiver will receive signals for all AV equipment, not just SKYHD®
IR signals can also be taken directly from the blaster output of any other equipment such as an HDMI extender.
The IR4SKY analyses the received IR signals. If they are identified as SKYHD® mode 1, 2 or 3 it is routed to the appropriate IR emitter output. If it is identified as SKYHD® mode "0" or as a signal for non-Sky equipment then it is routed to output 0.
The IR4SKY converts signals identified as mode 1,2 or 3 back to mode 0 before output
The KA175XLE can be used for remote mounted IR receivers up to 300m away.
Other AV equipment can be also be controlled.
Each SKYHD® receiver receives only the IR commands from the matched remote control

Code IR4SKY **£89.99**

Infra Red over an IP Network, What! Why?

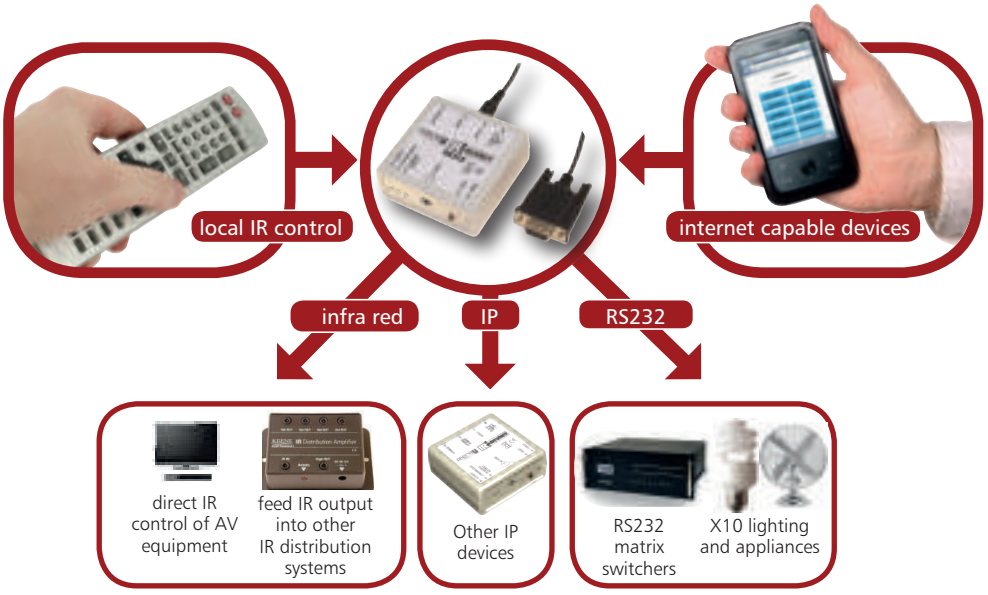
Keene have designed a range of products that are capable of sending and receiving IR signals across an IP network. This can be across a LAN, say from one room or office to another or even one from one side of the world to the other via the internet.

There are several ways to make use of this technology. In its simplest form you can use one module as a real time IR to IP encoder and another module (or group of modules) as real time decoders to receive the IP signal and transmit as IR wherever the control is required.

Some of the modules also have on-board memory that alows them to learn and store a number of IR codes. Once the codes have been stored you can access the modules built in web page via any internet browser and tell it to emit the desired code(s) as required.

There are also a number of PC programs and "apps" specifically designed to send control signals via IP connected devices. The Keene modules are compatible with an ever growing number of these, and a list is maintained at www.keene.co.uk/iranywhere

The modules all feature a built in standard (36 ~ 40 Khz) IR receiver, and the IR inputs and outputs are fully compatible with all of the existing Keene IR Distribution range so many other styles of receivers and emitter wands can easily be incorporated. The IR output can also be connected to the input of another Keene IR Distribution amp if required.



The Keene IR Anywhere family of products give you easy internet control of any Infra Red, RS232 or contact closure products. There are many ways to use them, for example;

Use two modules with one set to act as IR receiver and one to act as an IR transmitter and connect them both to your network. Aim your remote at the receiver and it will convert the signal to packet data, send that data to the other module which will decode the data and retransmit the IR as originally received. You can do this whether the receiver is in the next room or on the other side of the world!

Compatible with a variety of Apps such as Demopad, Mote, TouchSquid, TouchControl, Reymote and many more, you can use your smartphone or tablet to control your AV equipment from anywhere you have an internet connection. Or access the device from any browser on any internet capable device using the built-in web pages.

Use the KIRACC for smartphone control of contact closure operated blinds, curtains, garage doors

Install the IR Commander Matrix and enjoy selective, routable control of multiple devices.

The possibilities are endless! Please see www.keene-electronics.co.uk for full details

The IR inputs and outputs are fully compatible with the existing Keene IR Distribution range so other styles of receivers and emitter wands can easily be incorporated.

- Control IR equipment via local network or anywhere in the world via internet
- Can be combined with IR distribution system for large installations
- One-to-one or many-to-one control

Product code	IR over IP	Browser Control	Memory	RS232	Routable Outputs	PoE	Relays
KIRA	yes	yes	4	no	no	no	no
KIRA128	yes	yes	128	no	no	no	no
KIRARS232	yes	yes	128	yes	no	no	no
KIRA-CC	yes	yes	150	yes	yes (2)	yes	yes (2)
IRCM	yes	yes	128	yes	yes (4)	no	no

KIRA Modules

These modules will receive an IR command, convert it to packet data and send that data to a predetermined IP address (usually another IR Anywhere module). The receiving module will then decode the data and re-transmit the IR as originally received. The IR Anywhere modules are physically identical and can be software configured as either a receiver, a target, or stand alone operation. They will operate via LAN, and also via WAN assuming firewall and routers are correctly configured. They are supplied either singly or as a pair of modules. Once correctly configured, one target can receive signals from multiple receivers. The target can be either an IR Anywhere module or the IR Commander Matrix.

- Control IR equipment via local network or anywhere in the world via internet
- Can be combined with IR distribution system for large installations
- One-to-one or many-to-one control
- Built in Dynamic DNS support
- DHCP plug and play for LAN

Code KIRAM	single module	£59.99
Code KIRA	pair of modules	£108.00

KIRA128

The KIRA128 is capable of storing up to 128 IR codes in local memory. These codes can then be accessed and triggered by any device with web browser capability from local network or internet. For example the image opposite shows an iPhone browsing one the IRCM's internal web pages of stored IR commands

Note, this is a web page and not an "app" and so can be accessed by any smart phone, PDA or other device with web browser capability.

The KIRA128 can be software configured as either a receiver, a target or stand-alone. Once correctly configured, one target can be used as a local IR emitter for multiple remote receivers. The target can be another IR Anywhere (KIRA or KIRA128) or the IR Commander Matrix (IRCM).

Code KIRA128 £74.99

DemoControl

This free app gives you a graphical front end with which to access the 128 stored IR codes within the memory locations of a KIRA128, IRCM or KIRARS232. The app is available on iTunes for free (search "DemoControl").

KIRA RS232

For extended integration options the KIRA RS232 provides IP control for both Infra Red and RS232 signals. This model has no option for an external IR receiver although its still has an on-board IR receiver should you need it. In addition to the ability to send stored IR codes when triggered by IP commands it will also send stored IR codes when triggered by Keene defined ASCII commands via RS232.

The KIRARS232 can function as:

- IR to TCP/IP bridge
- RS232 to TCP/IP bridge
- TCP/IP to RS232 (for the CTX35 X10 bridge)
- RS232 to IR (stored codes)
- RS232 disabled (function as KIRA128)
- Supports baud 2400, 9600, 19200, 57600, 115200

Code KIRARS232 **£84.99**

Browser Control

The image above shows an iPhone browsing one of the KIRA128's internal web pages of stored IR commands

Note, this is a web page and not an "app" and so can be accessed by any smart phone, PDA or other device with web browser capability.

KIRACC Contact Closure

The new Keene KIRACC Contact Closure module provides a number of ways to control devices via local network and the internet. Commands can be issued simply by accessing the built in web pages via any device with a browser, and the open API structure means it can integrate seamlessly with a number of other IP control systems and apps for tables and smart phones.

Infra Red

- Infra Red over IP - use either as a real time IR transmitter in conjunction with another KIRA module, or use IP control to blast any of the 150 codes stored within the on-board memory.
- Two IR Emitter outputs, individually routable.
- 20 macro commands, each up to 30 steps
- Built in dedicated high accuracy IR learning receiver.
- IR codes stored within the on-board memory.

Contact Closure

- Two isolated relay contacts, each rated at 48v 6A.
- The relays can be set to open, close or pulse with configurable timings.
- Both relays feature pluggable Phoenix connectors for easy installation.

RS232

- Contains a TCP/IP to RS232 sever that can be used as an RS232 / TCP/IP bridge.
- RS232 strings can be stored in on-board memory and triggered by IP from an app or as part of a macro.

Power

- Built in Power over Ethernet (PoE) capability.

TCP/IP

- Can act as a UDP target for IR Anywhere modules.
- Built-in support for dynamic DNS client for non-static IP addresses.

Code KIRACC **£129.99**

IR Commander Matrix

The most advanced and the most capable IR distribution system we've ever produced!

- Full Matrix Signal Routing - Each IR input can be routed to any combination of IR outputs. This means for example an equipment cabinet could house say three identical Sky receivers, and each one can be controlled independently from different rooms
- Four IR output channels - each IR output channel can drive IR emitter wands or slave IR distribution amplifiers
- Six local IR input channels - Four IR receivers, one on-board IR receiver and one wand input for taking the output directly from another IR distribution system or video sender
- IP addressable - Will accept IR over IP inputs from Keene IR Anywhere modules or from PC's or handheld devices, up to 253 different IP addresses
- Internal IR command store - Can store up to 64 IR codes in local memory, these can then be triggered by IP command from local network or internet
- Network inputs can be routed based on IP address - Maximum flexibility for LAN devices
- Built in wideband IR receiver - May be disabled if required
- Local inputs are "one way IRDA" compatible - Will route signals to control all popular set top boxes
- Will act as Dynamic DNS update client - Built in support for non-static WAN IP addresses
- LEDs indicate which input is active - When IR activity is detected on one input all other inputs are momentarily blanked to ensure the signal remains pure and is cleanly transmitted. (the LEDs may be disabled if required)
- Expansion module sockets for inputs and outputs - Allows an additional 4 input or output module to be connected via CAT5 cable at a distance of up to 50m

Code IRCM **£169.99**

CTX35 RS232 to X10 Bridge

The Marmitek CTX35 communication transceiver can receive and transmit standard X10 control signals via the RS232 port. Transmit commands and received data are in ASCII format and it is directly compatible with the KIRARS232 giving you the ability to TCP/IP control your X10 products from anywhere in the world.

Code CTX35 **£199.99**

IP Controllable Mains Switch

The IPMSW1 is an IP controllable mains power switch. It has two independent mains outlets that can be controlled in a number of ways.

Features:

- Simple browser button based on / off control.
- Full browser based set-up and timer configuration
- Adjustable power fail re-start options allow each switch to delay up to 255 seconds before switching on. Ideal for remote re-start of systems that require 2 stage start ups
- 3 timer events per switch with daily weekly or monthly repeats
- During each timer event the switch can be set to either on or off.
- Own IP address, so can be controlled via internet using port forwarding.
- Support for DDNS
- Manual override button for each switch
- Optionally use internet time servers to set internal clock
- Internal "Real Time Clock" IC with 5 year battery backup

Code IPMSW1 **£119.99**

Devices that give you wireless control of your AV devices from another room

POWERMID

The Powermid remote extender system allows remote control of IR operated equipment from anywhere in the house. It comprises a pair of small pyramid shaped devices. The transmitter picks up the IR from your remote, converts it to a radio signal and beams it to the receiver. The receiver then converts the radio signal back into IR to control your devices. Quick and easy to install, and ultra reliable. Can be used in-room or even through walls and floors. It can also be used as a wireless room extension for any of the Keene IR Distribution amplifiers by simply cabling the IR wand output from the Powermid into the IR receiver input on the Keene unit using a KLDE6M cable.

Additional transmitters & Receivers are available:

POWERMID RF Receiver IR Transmitter unit.

This unit receives the RF signal from a Powermid transmitter and gives out Infra Red.

Code PMIDR **£18.99**

POWERMID IR Receiver RF Transmitter unit.

This unit receives IR from your remote control and gives out the RF signal to send to a Powermid receiver.

Code PMIDT **£18.99**

Code PMID **£23.36**

POWERMID KIT DEALS

This is a Powermid XL kit that includes one extra IR receiver so you can control your equipment from two different rooms.

Code PMIDKIT1 **£34.00**

Powermid XL kit including a Powermid Eye twin IR emitter wand to control two extra devices.

Code PMIDKIT2 **£27.99**

Powermid XL kit including one extra IR receiver / RF transmitter unit to allow control from an extra room, and a Powermid Eye twin IR emitter wand to control two extra devices.

Code PMIDKIT3 **£44.00**

POWERMID Dual Output Wand

Additional 2 way IR wand for use with the Powermid units. These wands are designed to take the IR output direct to the IR receiving eye on your DVD etc. Universal IR Extender Cable - Works with Marmitek, Xantch, Speakercraft etc. (nb not Keene!) 2 IR LED's (blinking), 3m cable length, 3.5 mm jackplug.

Code PMIDEYE2 **£8.06**

POWERMID 300 Xtra

The Powermid 300X is another wireless IR extender system. For this one the receiver can be powered by 2 AAA batteries (with surprisingly long battery life) or via USB if you have a spare USB port on your display or STB. A mains to USB power adaptor is also included just in case.

Transmitter & receiver pair
Code PMID300X **£30.56**

Additional IR Receiver
Code PMID300XR **£20.66**

Additional IR Transmitter
Code PMID300XT **£20.66**

MARMITEK Easy Icon Universal Remote Control

A very clever universal remote from Marmitek. It can control X10 equipment via RF and up to 10 AV devices by infra red control. It features assignable icons for favourite channels making it very easy to use, and it can even be personalised for different members of the family.

: the remote control for each member of the family - favourite channels for you, your partner, children and up to 10 others

- Guaranteed to work with all your current and any other A/V equipment you purchase in the future (extremely comprehensive pre-programming with learning facility).
- In addition to 10 A/V devices (TV, decoder, DVD, set-top box etc.), you can also operate the Marmitek X-10 modules used for operating lighting and electrical appliances.
- With handy home theatre macro function: with 1 press of a button you can switch all your equipment and X-10 lighting to the correct setting.

Code EZICON **£68.00**

IR Tip

Other sources of infrared include sunlight, fluorescent lights and LCD and plasma displays. Keene IR receivers are carefully filtered to minimise any interference that might be caused by these sources, but it always makes sense to try and position your IR receivers carefully. Ideally try to position the receiver directly beneath or to one side of the screen and slightly behind the face of the screen, do not have something reflective directly opposite and try to find a spot that will not be in direct sunlight.

Additional Remotes for Sky Satellite Systems

Why would you want another? Well, if you had extended control of your Sky system from other rooms then you might not want to or remember to carry your single remote controller from room to room. Solution: have a remote wherever you might want to use one. Simple as that!

Standard Sky Digital Remote

Code SKYREM **£12.99**

SKY Plus Remote

Code SKYPREM **£21.99**

SKY HD Remote

Code SKY120 **£24.99**

IR Link Cables

For direct connection of the IR Wand output to the IR receiver input on a Keene IR Distribution Amplifier.

Code KLDE10M	2.5mm to 3.5mm tip & ring connected only	£5.99
Code KLDE6M	3.5mm to 3.5mm tip and ring connected only	£5.99

Jack Extension Cables

Extension leads, 3.5mm stereo jack plug to 3.5mm stereo socket to be used on input or output as required. We've tested the input up to 10m and the output to 20m.

Code KLD40	3M	£4.49
Code KLD405	5M	£4.99
Code KLD4010	10M	£8.99

CAT5 Cable Receiver Extenders

If the Jack cable extenders aren't long enough or you already have some installed CAT5 cable you'd like to use then these will solve the problem. This kit consists of a pair of short (25cm) line adaptors, one with an RJ45 line socket to a 3.5mm stereo jack plug, and the other with an RJ45 line socket to a 3.5mm stereo jack socket. To use simply plug the IR receiver in to the 3.5mm jack socket of one adaptor and the 3.5mm plug of the other adaptor goes into the IR receiver input of your IRBKIT or IR Commander. Connect your Cat5/6 (standard wired network cable) in between the adaptors and that is it. Using this method it is possible to remote mount IR receivers at distances of up to 100m.

Code KA175 **£5.99**

Extra Long CAT5 Cable Receiver Extenders

If you need to extend even further then the new KA175XLE uses a line driver meaning you can extend by up to a full 305m reel of CAT5 cable!

Code KA175XLE **£19.99**

CAT5 Cable Economisers

Although CAT5 cables have four pairs of conductors, 10base and 100base systems only use two of these pairs so half of the cable is redundant. These cable economisers allow you to route two IP signals down a single Cat5 cable. Ideal for use with the IR Anywhere modules as it allows you to add remote control without having to utilise an extra remote network hub or switch. Supplied in pairs.(Note: CANNOT be used with Gigabit networks or anything using POE!)

Code KA201 **£19.99**

Kramer BNC Cables HD SDI

These cables are constructed of high performance RG-6 cable with 75 ohm BNC connectors at each end. They offer outstanding quality, durability, and high performance for any video signal application including HD-SDI signals. High quality connectors - True 75 ohm BNC connectors maintain correct impedance .

Specifications

- Conductor: 18 AWG solid bare copper.
- Dielectric: Skin Foam.
- Outside Jacket Color: Dark gray w/white lettering.
- Outside Jacket: PVC.
- Shield: (A) 61% braid aluminium wire 34 AWG.
- (B) dual-foil/mylar 25% overlap rate.
- Center Conductor: 0.0403 inches, 1.02mm.
- Dielectric: 0.179 inches, 4.57mm.
- Outside Diameter: 0.391 inches, 6.95mm.

Code SBB801	0.5M	£2.73
Code SBB802	0.9M	£3.12
Code SBB803	1.8M	£3.90
Code SBB804	3.0M	£4.68
Code SBB805	4.6M	£5.45
Code SBB806	7.6M	£7.79
Code SBB807	10.6M	£9.74
Code SBB808	15.2M	£12.47
Code SBB808	15.2M	£12.47
Code SBB809	22.9M	£17.14
Code SBB810	30.5M	£21.82
Code SBB811	45.7M	£30.39

3 BNC TO 3 BNC RGB COMPONENT CABLE

High quality three BNC plugs to three BNC plugs.

Gold plated connections.

Application: RGsB or component video

Code SBB301	1.0M	£28.59
Code SBB302	2.0M	£29.99
Code SBB304	5.0M	£39.99
Code SBB305	10.0M	£49.99

3 PHONO TO 3 PHONO RGB COMPONENT CABLE

High quality three RCA phono plugs to three RCA phono plugs.

Gold plated connections.

Application: RGsB or component video

Code SBB101	1.0M	£29.99
Code SBB102	2.0M	£34.99
Code SBB104	5.0M	£39.99
Code SBB105	10.0M	£49.99

This is just a tiny fraction of the many analogue and digital cables we are able to supply. Please call or visit www.keene.co.uk for more details

3 BNC TO 3 PHONO RGB COMPONENT CABLE

High quality three BNC plugs to three RCA phono plugs.

Gold plated connections.

Application: RGsB or component video

Code SBB201	1.0M	£29.999
Code SBB202	2.0M	£34.99
Code SBB204	5.0M	£39.99
Code SBB205	10.0M	£49.99

Centre Speaker Mount

Centre Speaker Wall Mount with Adjustable Arms

Designed for loudspeakers up to 15kg (33lbs)

- Ideal for centre channel speakers, DVD players and other AV equipment
- Allows speaker to be positioned for optimum esoteric performance
- Easy adjustment of arm depth
- Simple installation with all mounting hardware included

Specifications

- Maximum Weight: 15kg (33lbs)

Code BT15 (black) **£16.98**

BT77 – Ultragrip Clamping Speaker Mount

The BT77 "Ultragrip Pro" Side-Clamp Loudspeaker Wall Mount is ideal for loudspeakers with curved fronts and suitable for all types of small to medium loudspeakers. The BT77 clamps loudspeakers at the side using "Ultragrip" high friction pads - eliminating the need to screw into the loudspeaker.

- Modern aesthetic design with coverplate - hides fixing screws
- Slim line wall bracket ideal for stud (partition) walls
- Simple adjustment - one 13mm locking nut secures tilt and swivel
- Complete fixings kit for wall mounting included
- Available in Black or Silver
- Speaker Width 135 - 280mm
- Speaker Weight Max 25 Kg
- Tilt 7 degrees (Up or Down)
- Swivel 180 (Left or Right)
- Supplied in pairs

Code BT77	black	**£28.99**
Code BT77S	silver	**£28.99**
Code BT77W	white	**£28.99**

iPad / Tablet Floor Stand

Tablet Floor Stand for iPad and most popular brands of 7 to 10 inch tablets.

Ideal for Exhibitions/Conference centres, Reception areas, School Halls/Classrooms, Musicians, Orchestra's/Bands or for any presentation situations.

Features:

Ergonomic hands-free and adjustable viewing angle design

Height adjusts from 77 ~ 154cm

Stable and sturdy tripod base

Device easy to detach on the holder

Base easy to lock into place and folds for storage.

Convenient carrying case supplied

Code IPFS black **£49.99**

Atlas Loudspeaker Floor Stands

- Designed for loudspeakers up to 50kg (110lbs)
- Sound isolating loudspeaker floor stands
- Fillable columns for superior dampening
- Top and bottom isolation spikes provided
- Supplied in Pairs
- Available in different heights

Specification

- Max. Weight: 50kg (110lbs)
- Top plate dimensions: 190mm (7.5") x 190mm (7.5")
- Base plate dimensions: 240mm (9.5") x 240mm (9.5)
- Max weight of speaker: 50kg (110lbs)

Code BT604	40cm height	**£49.99**
Code BT606	60cm height	**£54.99**
Code BT608	80cm height	**£59.99**

LCD Wall Mount with tilt & swivel up to 23"

- Designed for screens up to 23" (58cm) / 15kg (33lbs)
- Full motion mount - ideal for corner mounting
- Fits screens with VESA mounting patterns: 75mm x 75mm and 100mm x 100mm
- Easy tilt adjustment +17°/ -10°
- CLIPLOGIC cable management included
- Simple 'hook-on' installation with all mounting hardware included
- Features 3 swivel points: 180° at wall, 360° at central pivot point, 240° at interface
- Screen size: 10" - 23"
- Max Weight: 15kg (33lbs)
- 360° rotation for easy screen levelling and to allow screen to be mounted in landscape or portrait style
- Security locking screws & Allen key provided for secure installation
- Features 'OWLS'™ On Wall Levelling System

Colour: Black

Code BT7513B **£29.99**

LCD Wall Mount with tilt & swivel up to 42"

- Designed for screens up to 42" (107cm) / 25kg (55lbs)
- Full motion mount - ideal for corner mounting
- Fits screens with VESA mounting patterns: 75mm x 75mm, 100mm x 100mm, 200mm x 100mm and 200mm x 200mm
- Easy tilt adjustment +/-40°
- Features three swivel points: 180° at wall, 360° central pivot and 240° interface
- CLIPLOGIC cable management included
- Simple 'hook-on' installation with all mounting hardware included
- Screen size: 15" - 42"
- Max. Weight: 25kg (55lbs)
- Security locking screws and Allen key provided for secure installation
- Features 'OWLS' On Wall Levelling System

Colour: Black

Code BT7515B **£54.84**

Universal Soundbar Mount

The ideal solution for mounting a Soundbar Speaker to your Flat Screen TV

- Mounts a Soundbar above or below the screen
- Universal mount suitable for most soundbars and flat screens
- Use with or without a flat screen wall mount
- Ideal for corner installations with an articulated mount
- Low profile steel brackets
- Max weight of Soundbar: 15kg (33lbs)
- VESA Compatible 200x100 , 200x200 , 300x300, 400x200 ,600x400:

Code SB39 **£14.99**

Projector Trolley

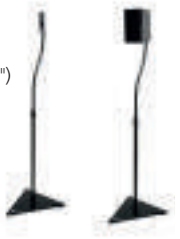
Designed for use with projectors but may also be used as a portable lectern
Supplied with braked castors and optional levelling feet for extra stability
Supplied with safety rails and safety strap for secure installation

- Adjustable height (with castors): 785mm - 1265mm (30.9" – 49.8")
- Adjustable height (with feet): 730mm - 1230mm (29.7" – 48.4")
- Platform dimensions: 290mm x 360mm (11.4" – 14.2")
- Adjustable tilt: +/-20 degrees
- Inner pole diameter: 35mm (1.4")
- Outer pole diameter: 42mm 1.6")
- Easy to assemble
- Max Weight: 25kg (55lbs)

Code BT890B	black	**£79.99**
Code BT890	silver	**£79.99**

Stealth Onyx Speakers Stands

- Stealth Onyx AV Speaker Stands with Glass Base.
- Designed for home cinema speakers up to 2kg (4.4lbs)
- Adjustable height: 685mm (27") - 1060mm (42")
- Includes adaptors for single point, dual point and keyhole fixings
- Suitable for speakers using M5, M6 and UNC 1/4" screws
- Distance between dual point fixings: Min: 45mm (1.8") - Max: 67mm (2.6")
- Alternative mounting platform supplied for speakers without fixing holes
- Supplied in pairs
- Maximum Weight: 2Kg (4.4lbs)
- Minimum Height: 685mm (27")
- Maximum Height: 1060mm (42")



Code BT114B **£30.95**

LIBEC TH-650 Tripod & Head

An extremely high quality tripod at a great price, the fluid head has a counterbalanced mechanism which compensates for the camcorders weight and holds it steady at any tilt angle. The head also has a 65mm claw ball which allows for quick and easy head levelling regardless of leg position. The legs are made from three section oval pipe which gives good rigidity and also have a transport lock to hold them in place when on the move.

Specifications:

- Height, fully extended 150cm,
- Hieght, folded 75cm
- Weight 3.2kg
- Camera load capacity : up to 4kg
- Tripod section : Single stage
- Supplied with carrybag

Code TH650 **£169.00**

Spare quick release plate

Code TH650PL **£24.99**

TPV1 Video Tripod

High quality Camlink TP Video Professional Tri Leg tripod including soft carry case. Ideal for both amateur and semi-pro applications where a good quality, stable tripod is required.

Specifications:

- 3 Section Tri Legs (Removes whip at the start of a pan)
- Friction (Fluid effect) Damping Head
- With 2 Handles
- With Quick Release Plate
- Ball Leveling
- Spirit Level
- Rubber Feet
- Tilt Range –85 / +85
- Pan Range 360
- Max. Operating Height 137cm
- Folded Length 73cm

Code TPV1 **£125.95**

Tracking Dolly with Track

Enables you to create super smooth tracking shots with your own tripod! The dolly has two sets of locating holes for the tripod legs, which means the tripod can be used in both high and low positions. It has eight radial ball bearing wheels which set the track width to the correct positions as the dolly moves down the track. The Tracking Dolly is ideal for use on location or in the studio, all you need is a reasonably flat surface. The dollies width has been set to allow it to go through doorways, it has its own levelling system which prevents any rocking should the track be on uneven ground. It runs on inexpensive 40mm dia. PVC pipe which can be supplied or is available from DIY stores. The dolly will accept all tripods that have feet smaller than 45mm in diameter or with a base spreader, 3 straps are supplied for securing your tripod to the dolly and also supplied are 2 track connectors for joining your track.

- Size:- L770mm. xW620mm. xH70mm.
- Weight:- 3kg.
- Transit size:- 770mm. x180mm.x180mm.

Kit price includes:- Tracking Dolly, 3 straps, 6 Track Connectors & 12 metres of Track. (8 x1.5m = 6 metre run)

Code D5T **£329.99**

LIBEC TH-950 Tripod & Head

Due to smaller and higher performance hand held camcorders constantly entering the market, the industry enjoys an increasing demand for tripods and heads for such camcorders. Ever since it was introduced, the competitively priced high performance TH-950DV has been one of the world's most popular tripods in its class.

The removable camera quick release plate is fitted with a sliding screw for fine adjustment and is made from extraordinarily strong magnesium alloy. A disc calliper is used for the tilt brake to hold the head rock steady and a 75mm ball head makes levelling smooth and steady.

Specifications:

- Height, fully extended 155cm,
- Height, folded 75cm
- Camera load capacity: 4Kg
- Ball base: 75mm
- Weight: 3.75Kg
- Supplied with padded carry case

Code TH950 **£279.00**

Spare quick release plate

Code TH650PL **£49.99**

TPV1 Video Tripod Kit Deal

A complete kit containing the Konig branded version of the excellent TVP1 Tripod above together with a Konig tripod Dolly.

Code TPV1KIT **£169.00**

Libec Tripod Dolly

Designed for use with the TH650 tripod, but also works well with the TH950.

It is foldable for easy carrying and locks into the open position by a quick release latch.

It also has a braking device on each wheel to avoid accidental movement when filming.

Sliding screws lock the tripod feet into position to avoid unwanted movement between the tripod and dolly.

Code TL2 **£95.00**

Headrest Mount

The headrest mount enables the camcorder to be mounted onto a car's headrest. It is fully adjustable for the different widths of headrest. The camcorder attaches to a ball mount, so the camera can be set to the required position. You get a great view from the drivers prospective or it can be used to video inside the vehicle. (Only suitable for headrests with twin posts)

Ideal forMini DV cams & all types of handheld Camcorders up to 2kg.

Code CHM **£58.29**

Mini Motion Cam

The Hague Mini Motion-Cam is a handheld stabilizing system which is ideal for small lightweight camcorders or cameras between 0.3kg. and 0.8kg. in weight.

- Supports up to 1.25kg. with additional weights.
- Ideal camera weight 0.3kg. to 0.8kg.
- Quick & simple to set up
- Smooth camera movement
- Eliminates camera shake

The camcorder fits directly onto the stabilizer with adjustment for moving the camera forward and back for balancing.

Code MMC **£75.00**

Rode Podcaster Broadcast USB Microphone

Seamless integration was the idea, and it was obtained by creating a studio dynamic microphone with unparalleled A/D convertors, so that the microphone can be plugged into any computer with no in/out boxes, no expensive computer pre-amps, just a USB cable. The Podcaster offers an end-address configuration, the clarity of RODE's tailored-for-voice frequency response, an 'ON' L.E.D, a direct headphone amp, and of course very low self noise. The mic opens up possibilities for anyone who records audio - from podcasters, journalists and students to business people adding audio files to websites and multimedia presentations.

- High quality broadcast sound.
- Dynamic capsule (neodymium) 28 mm.
- 18-Bit Resolution, 8KHz to 48KHz sampling.
- Windows and Mac compatible.
- Tight Cardioid pattern for superior off axis sound rejection.
- Powered from USB Bus.
- Includes Microphone Stand Mount and a 3m (40") USB cable.
- Internal capsule shock mounting.
- 3.5mm stereo headphone jack output with volume control.

Power Requirements: Power supplied from USB port.

Weight (mic only): 610g (21.5 oz)

Dimensions: Length: 215mm (8 ")

Height: 56mm (2 ")

Width: 52mm (2 ")

Code RPC1 **£139.00**

We also offer the Podcaster in money saving kits:

Podcaster plus PSM1 shockmount

Code RPC1KIT1 **£165.00**

Podcaster plus PSA1 angle-poise stand & PSM1 shockmount

Code RPC1KIT2 **£230.00**

Keene are major RODE stockists and this is just a fraction of the range we can supply. Please call or check www.keene.co.uk for more details

Rode Smart Lavalier Plus Microphone

The smartLav+ is a broadcast-grade wearable microphone designed for use in a wide range of film, television and broadcast scenarios without the complication and expense of wireless equipment.
The user simply connects it to a smartphone or tablet headset jack and records via the RØDE Rec app for iOS, or any other audio app of their choice. By employing a professional quality omni-directional condenser capsule the smartLav+ picks up sound equally from all around the microphone, allowing for versatility when mounting and ensuring a high degree of user-friendly operation.

A foam pop shield is supplied to minimise wind noise and vocal plosives (hard 'b', 't' and 'p' sounds), as well as a durable mounting clip with in-built cable management. Its Kevlar® reinforced cable ensures that you never stretch or snap your microphone under normal usage conditions.The smartLav+ is compatible with any audio app that accepts input from the headset connection, however it has been designed to pair perfectly with RØDE's Rec app for Apple iOS devices. RØDE Rec turns the user's iOS device into a fully-featured field recorder, with a wide range of equalisation presets to suit various recording situations, in addition to professional editing functions and the ability to publish to SoundCloud and Dropbox direct from the app.

Code SMARTLAVP **£44.99**

Rode IXY iOS Microphone

The RODE iXY is the ultimate recording microphone for iPhone®, iPad® or iPod® touch. With up to 24-bit/96k* recording and on-board high-fidelity A/D conversion, your iXY recordings are rich, smooth and accurate.

At the heart of the iXY is a matched pair of ½" cardioid condenser capsules, fixed in a perfect 90 degree 'near-coincident' alignment. This results in immersive and true-to-life stereo recordings, captured in incredibly high detail.

The iXY is supplied with a foam windshield for outdoor recording as well as a reinforced protective zip case to ensure your iXY is available whenever you need it.

For more information and to hear audio samples visit www.ixymic.com.

The iXY is compatible with iPhone® 4S, iPhone® 4, iPad® (3rd generation), iPad® 2, iPad® & iPod touch® (4th generation). (NOT lightning connector)

Code IXY **£99.99**

Rode NT1A Vocal Pack

The World's Quietest Studio Condenser Microphone

The RODE NT1-A has become an industry standard; delivering the warmth, extended dynamic range, clarity and high SPL capability usually only featured by some of the most expensive microphones.

Now available as the 'Complete Vocal Recording Solution' this NT1-A package now includes everything you need to get truly professional vocal recordings - the world's quietest studio microphone, a studio grade pop shield and shock mount, a premium 20' cable, dust cover, an instructional DVD with recording tips, and of course RODE's industry leading ten year warranty.

Large 1" (25mm) capsule with gold plated diaphragm

Cardioid polar pattern, Self noise of only 5dB (A)

Ultra low noise, transformerless surface mount circuitry

Wide dynamic range, Gold plated output contacts

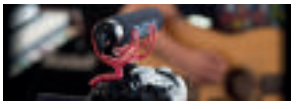
True condenser (externally biased), Internal capsule shock mounting

Code NT1APACK **£139.00**

Rode VideoMic Go

Clear, directional audio on the GO! Compact and light weight by design, the VideoMic GO delivers clear, crisp, directional audio with incredible ease of use. Its tight pickup area focuses directly in front of the microphone and reduces other surrounding sounds, ensuring that your subject is isolated from distracting background noise.

The integrated Rycote® Lyre® shock mount isolates your microphone from bumps and vibrations that could otherwise interfere with your sound.



The VideoMic GO has no complicated switches or settings and is powered by your camera's external microphone input, requiring no batteries to operate, ensuring you never miss a great shot.

Specifications:

Acoustic Principle	Line Gradient
Capsule	0.50"
Polar Pattern	Supercardioid
Frequency Range	100Hz - 16kHz
Maximum SPL	120dB SPL (@
Output	Minijack Output

Code RVMGO **£54.99**

Rode VideoMic Microphone

The RODE VideoMic exhibits low noise and an unusually wide bandwidth for its size. It is ultra lightweight and incorporates a shock mount to isolate camera body noise. Its powered by a standard 9V PP3 type battery and complete with a low battery LED indicator and a switchable high pass filter to reduce unwanted low frequency rumble. It has a standard hot-shoe mount and can also be attached to a boom arm or tripod. The connection is via a 3.5mm stereo mini jack.

Studio recording quality
Rugged fibre-reinforced ABS construction.
9 V battery operation (not included).
Custom designed integral wind shield.
Condenser Microphone.
Low noise circuitry.
Low handling noise.
Integral hot shoe mount.
Full 10 year warranty (registration required)

Code RVM **£69.00**
Code RVMDEAL mic plus Pro windshield **£84.00**

Rode VideoMic Pro compact Shotgun Microphone

The RØDE VideoMic Pro raises the bar set by the original RØDE VideoMic, by combining broadcast quality audio with an ultra compact and lightweight ergonomic design.

Incorporating new features specific to high end video, the VMP also evolves many of the features that have made the VideoMic so successful. Noise transference has been significantly reduced using both a revised, more elegant shock mounting system and a lightweight premium cable.

- Broadcast recording quality condenser microphone
- Compact design (only 150mm/6" length)
- Ultra lightweight (only 85g/3oz)
- 9V battery powered, with up to 70 hours battery life (alkaline)
- Integrated shock mounting
- Integrated foam windshield
- 3.5mm stereo mini-jack output (dual mono)
- Two step High Pass Filter (flat, 80Hz)
- Three position level control (-10dB, 0, +20dB)
- Camera shoe mount with 3/8" thread for easy boompole mounting

Code RVMPRO **£129.00**
Code RVMPROKIT mic plus furry windshield **£149.99**

Tie clip windgag

A furry windjammer designed for lavalier (tie-clip) mics to be worn on the outside of the body. Supplied with removable foam inserts that can be combined with the supplied foam windgag to ensure a good fit.

Code WGTC **£15.73**

Rode NGT1 & NTG2 Shotgun

The RODE NTG1 and NGT2 are lightweight condenser shotgun microphones, designed for professional applications within the film, video, television and production industries.

The 48V phantom powered NTG1 (phantom operating power only, NTG2 has additional battery power option) and NTG2 provides a balanced low impedance output stage. Wide bandwidth and controlled polar response coupled with low noise SMT electronics, make the NTG1 the perfect choice for film, video engineering and voice-over work. Its light weight making it ideal for mounting directly to video cameras or on boom poles.

The NTG1 & 2 come complete with mount and windshield. The windscreen effectively suppresses wind noise when recording outdoors in moderate conditions.

Specifications:

- Output impedance: 250ohm (phantom NTG1) 350ohm battery (NTG2)
- SN ratio: 76 dB (1kHz)
- Maximum SPL: 131dB (@ 1% THD in 1KOhm)
- Dynamic range: 113 dB
- Power (Supply voltage): 1.5 V AA (NTG2) or Phantom (NTG1/2)
- Current consumption: 2.0 mA

Rode NTG1 (phantom power only)
Code RNTG1 **£139.00**
Rode NTG2 (phantom or battery)
Code RNTG2 **£149.00**
Optional "Dead Cat" furry windjammer is available for this mic
Code DEADCAT **£24.99**

Rode RNGT2 Kits

Money saving kits:

NTG2 plus RBP Boompole, RSM3 suspension shockmount & Deadcat Windgag
Code RNTG2BK **£275.00**
NTG2 plus an RSM3 suspension shockmount & Deadcat Windgag
Code RNTG2CK **£195.00**

Rode Boom Poles

Designed to be used with directional microphones held just out of shot, a boom pole allows a subject freedom of movement and means you don't need to worry about visible cables or microphones (as long as you have a good boom operator that is!) These boom poles from Rode are precision machined from high grade aluminium and are lightweight yet easy to adjust to the desired length with a secure twist locking action. The poles have Velcro straps to externally secure a mic cable, or the end caps can be removed and an XLR cable threaded internally through the tube.

They have std 3/8 threads for attaching the mic or shockmount. Three models are available:

Standard Boom Pole length (retracted) 0.84m (extended) 3.0m
Code RBP **£79.00**
Mini Boom Pole length (retracted) 0.82m (extended) 2.0m
Code RMBP **£69.00**
Padded Case, will fit all models complete with mic attached!
Code RBPBAG **£24.99**
Micro Boom Pole lightweight 2.0m (extended)
Code MICROBP **£29.99**

Boundary microphone ATR97

This is a low profile compact omni-directional boundary microphone from Audio Technica designed for tabletop use. Ideal for conferences, meetings and placing on the head table at weddings.

Specifications:

- Size: 58mm Diameter x 15mm high
- Frequency response 50-15000Hz; Impedance 1000 ohms
- Cable length 1.5m
- 3.5mm mono jack plus 6.25mm adaptor
- Power 1 x LR44 battery (included)
- Best suited to camcorders with mini-jack mic sockets

Code ATBM **£25.99**

Rode Lavalier Microphone

Whether you're presenting for television or live on-stage, in a 20,000 seat auditorium or in a house of worship, The RODE Lavalier microphone has your needs covered. Featuring the pure, clear audio and low handling noise that RØDE is celebrated for, the LAVALIER is built to deliver and to last. The included water resistant pop filter and mini-furry for high wind protection ensure quality recordings in adverse environments, while the anti-trauma water resistant case provides rugged and secure protection for the microphone, cable and accessories.

Features:

- Ultra discreet appearance
- Incorporated cable management system
- Ø4.5 mm (Ø0.177") miniature microphone
- Corrosion resistant stainless steel
- Low handling noise

- RØDE MiCon connector system provides seamless integration with a wide range of wireless systems while maintaining discreet and unobtrusive appearance*
- Gold plated connections

*micon connectors sold separately, see www.keene.co.uk for details.

Code LAVALIER **£139.00**

LCD Viewfinder for DSLR HD Video

The DSLR LCD Viewfinder is a great accessory for anyone using a DSLR to shoot video. It solves the 3 major problems:

1. The necessity to view images continuously on the LCD screen which, in turn, effects stability and thus focus where the camera has to be handheld away from the body.
2. The inability to actually 'see' any image on that same screen when working in any bright lighting conditions.
3. Trying to ascertain the depth-of-field, even if you can discern that image.

The DSLR-LCD Viewfinder solves these problems by providing a finder that gives you a nice, large 3-inch LCD image to work with, and then adds a 3x magnification for extra clarity. What's more, it features quality optics consisting of three elements arranged in 3 groups.

Clipping onto the rear of your DSLR finder it provides the perfect environment for comfortable viewing incorporating, as it does, a soft motion-picture type moulded eyecup to block out extraneous light - thus letting you view a perfect image. It also offers an excellent range of continuous dioptre variations between + 4 and -4 to accommodate glass wearers. The combination of these features allows you to bring the camera in close to your body for increased stability and secure viewing and filming.

The SEAGULL DSLR-LCD FINDER is an essential tool for any serious film maker. Without it, that grouping of a small LCD screen, manual focus, razor thin shallow depth-of-field, camera shake, sunlight and glare makes shooting a video an hit-and miss affair.....with it, the control is all yours!

Specifications:

Magnification - 3x
Optic Glass - 3E3G
Dimensions – 84.5 x 70 x 77mm
Diopter - +/-4
Will fit LCD Size up to 3 inch

Comes complete with hand strap

Code LCDVF **£74.99**

LED Light Panels LED126T

The light head carries 126 super-bright LED bulbs to give plenty of illumination. These are controled by the on-board on / off slider switch and a rotary dimmer gives you control over the amount of light to be used.

Rather than use the traditional choice of AA or AAA batteries, the LED126T uses a Sony type lithium-ion camcorder battery with a hefty 4600mAh capacity (included) to give plenty of shooting time.

Included in the package is a mains charger for the battery pack with a choice of three plug adaptors (UK, Euro, US) so that it can be used in many countries throughout the world.

Two filters are also included with the light, a frossed diffusser, and a yellow 'warm' filter. These simply slot into place on the front.

The LED126T can be either stand or camera mounted and comes complete with a standard sized cold-shoe adaptor with locking thumb wheel (this also has a 1/4" tripod thread in it's base), and a mini-shoe adaptor to enable the light to be used on the Sony / Canon cameras with the smaller sized shoe fitting..

Code LED126T **£99.99**

LED Light Ring and Flash unit

New from Seagull, a compact and nicely made LED light ring with flash function. The power pack and control unit fits onto the hot-shoe on top of your DSLR whilst the LED light ring is mounted around the lens via an adaptor ring screwed direct into the camera's filter thread.

The control unit has a three position slider switch on the back for off, light (only) on, and light plus flash on. The brightness is controllable via a rotating wheel and so you can tailor your light output to your situation. The flash function is four times brighter than the output of the constant light to give you plenty of oomph for the shot. There is also a test button so you can experiment before shooting begins.

It comes complete with six adaptor rings to fit it to 52, 55, 58, 62, 67 and 72mm camera threads, and it can be adapted easily to other sizes by using additional stepping rings (please just give us a call as we can supply most sizes from stock at reasonable prices).

Specifications:
LED light: Power output 5w
Colour temperature: 5800k
Brightness: 480 lumens
Flash Index: 8.5ft. (ISO100, 1/60s)
Powered by 4pcs. AA batteries (not included)

Code MRC80 **£79.99**

LED256T

Also available, a 256 LED version.
Light including battery
Weight: 486gms
Dimensions: 29 x 9 x Depth 3 ins.

Code LED256T **£129.99**

3G SDI to HDMI Convertor

The Coosis HDCSDHP is a compact device designed for broadcast and AV professionals for monitoring, distributing, switching, mulitplexing and processing SDI signals on an inexpensive HDMI display. It supports resolutions up to 1080P with bit rates of up to 2.970 Gbits/s. It supports embedded SDI and HDMI audio up to eight channels at 48KHz.

Input: 1 x BNC (SDI/HD-SDI/3G-SDI)

Output: HDMI type A 19pin female

In/Out resolutions: 480i, 567i, 720P@50/59.94/60, 1080i@50/59.94/60, 1080P@30/50/59.95/60

SDI transmission rate: 2.79Gbits & 2.970/1.001 Gbits/s

Power: 5v DC 1000mA, UK adaptor supplied

Code HDCSDHP **£59.99**

HDMI to 3G SDI Convertor

The Coosis HDCHSDP converts HDMI to SDI format whilst ensuing high bit rates of 2.970 Gbit/s. THis is useful for connecting consumer devices to preofessional SDI display for long disance transmission and is an ideal tool for broadcast, post production and professional AV applications. The SDI output automatically matches the HDMI input up to 1080P@60Hz including up to eight channels of HDMi audio.

Inputs: HDMI type A 19pin female

Outputs: 1 x BNC (SDI/HD-SDI/3G-SDI)

In/Out resolutions: 480i, 567i, 720P@50/59.94/60, 1080i@50/59.94/60, 1080P@30/50/59.95/60

SDI transmission rate: 2.79Gbits & 2.970/1.001 Gbits/s

Code HDCHSDP **£59.99**

Rodegrip iPhone Mount (5,5s)

The RØDEGrip+ is a multi-purpose mounting solution with high-quality lens kit for the Apple iPhone 5 and iPhone 5S. Featuring a camera-shoe mount with a 3/8" thread in the base that can be mounted in three different positions, the RØDEGrip can be used in a number of orientations and setups including handheld pistol grip filming, handheld audio recording with the iXY microphone, Boom stand recording with the iXY, Camera-mounted audio recording with the iXY, Desktop mounted display and filming, Camera-mounted iPhone display for photography apps. The RØDEGrip+ is supplied with three high-quality photographic lenses (2x Telephoto, 180 degree fisheye, wide-macro) that screw into the frame to allow for versatile filmmaking on the iPhone.

Please use the search facility on our website for "Rode iphone" to see grips and accessories for other model iPhones

Code RGRIPP5 **£69.99**

D-SLR Shoulder Rig

This is a lightweight compact rig ideal for DSLR's and camcorders. It has a gadget bag friendly size when folded and extends out to provide a variety of different support options.

Features:

- Small (folded) design for easy gadget bag carrying
- Versatile design for many different shooting styles
- Extendable rear arm
- several threaded holes for mounting monitors, lights & microphones
- All hand grips and joint are rotatable and adjustable
- Non-slip foam hand grips

Specifications:

- Weight: 1.1Kg
- Dimensions: 30 x 17 x 8.5cm (folded)

Code SCSS **£59.00**

Black Widow Spider

Spider Holster for lightweight DSLRs and point-and-shoot cameras.

- No more dangling cameras from your neck and shoulders
- Both hands and upper body free
- Securely locks your camera in each time it's placed into the holster
- Works with your tripod quick-release plate
- Use with your belt or the special Black Widow Belt (optional)

Code BWS **£39.99**

Spider Pro Single Camera System

Shoot from the hip. The SpiderPro single camera system contains everything that you need to carry one camera, including SpiderPro Belt, SpiderPro Holster which securely attaches to the Belt, SpiderPro Plate which easily attaches directly to your camera's tripod mount, and a SpiderPin which attaches to the Plate and slides into the Holster to give your camera freedom of movement at your hip.

- Stainless steel and hardened aluminium, durable for active shooting situations
- Secure with a two-position lock

Code SPSCS **£109.94**

Black Widow Belt

Don't get us wrong, the Spider Holster Black Widow is designed to be very comfortable when worn on your own belt. But our adjustable belt will make your camera feel like a feather so you can stay comfortably holstered all day long. One size fits most, adjustable from 23 - 48 inches.

Code BWB **£19.99**

Got two cameras?

The Spider Holster Black Widow includes one Pin, but you may purchase an extra Pin for your second camera, video camera or any device with a tripod mount.

Code BWPIN **£6.99**

Spider Pro Dual Camera System

The SpiderPro Dual Camera System extends our already-popular 1-Camera System, giving you a comfortable and secure way to carry two cameras while on the job, or on the go.

Code SPDCS **£189.99**

See www.keene.co.uk for the full range of Spider Holsters & accessories

Black Magic Intensity Extreme

Incredible 10 bit HDMI and Analogue video editing with Thunderbolt™

Intensity Extreme, the world's first 10 bit HD/SD editing solution to feature lightning fast Thunderbolt™ technology.

The perfect solution for videographers, Intensity Extreme includes SD/HD capture and playback in compressed and uncompressed video quality. Better still, this revolutionary new device is compatible with Final Cut Pro 7™, Adobe Premiere Pro™, Adobe After Effects™, Nuke™, DaVinci Resolve and more.

Machined from a solid piece of aluminum, Intensity Extreme gives you incredible quality HDMI, component video, s-video and composite 10 bit capture and playback. Better still, this super-sleek, high-speed data transfer system offers an incredible 10 Gb/s connection that's up to 20 times faster than USB 2.0 and up to 11.5 times faster than FireWire 800.

Incredible quality HDMI capture and playback!

Intensity lets you capture and playback in the most incredible quality of HDMI and component analogue video in both SD and HD. Smash the quality barrier for your video work because Intensity is not only the highest quality, but also affordable!

Professional Performance

Go beyond the limits of your AVCHD or HDV camera! Simply plug using HDMI or analogue and capture direct from your camera's CCD! You get incredible quality that completely bypasses the camera's video compression. Use Intensity for monitoring from your edit software for maximum real time effects! Intensity connects direct to your editing software's real time effects processing!

Use Popular Video Software

Intensity works with the software you love to use! Use DirectShow™ and QuickTime™ software, or the world's most popular editing software such as Final Cut Pro™ and Premiere Pro™!

Code BINTSTBEXT **£219.26**

Internet Controllable Mains Switch

New from Keene, the IPMSW1 is an IP controllable mains power switch. It has two independent mains outlets that can be controlled in a number of ways.

Features:

- Simple browser button based on / off control.
- Full browser based set-up and timer configuration
- Adjustable power fail re-start options allow each switch to delay up to 255 seconds before switching on. Ideal for remote re-start of systems that require 2 stage start ups
- 3 timer events per switch with daily weekly or monthly repeats
- During each timer event the switch can be set to either on or off.
- Own IP address, so can be controlled via internet using port forwarding.
- Support for DDNS
- Manual override button for each switch
- Optionally use internet time servers to set internal clock
- Internal "Real Time Clock" IC with 5 year battery backup

Code IPMSW1 **£119.99**

Mighty Brighty Projector Screen Paint & Border

Mighty Brighty turns a wall into a projection screen!

Mighty Brighty is a new and unique concept for creating a perfect projection screen right on your wall or any other smooth surface. Just paint it on, sit back and enjoy. An image projected on Mighty Brighty Projection Screen Paint has much better contrast and brightness than that of a plain white wall. It has the same quality as a professional projection screen. On top of that you always have exactly the right screen format for your specific situation. No more struggling to set up a conventional projector screen. No more bulky ceiling or wall fixture. Invisible when you are not using it.

How it works

BaseCoat + ContrastBooster
The foundation of the screen is the BaseCoat, which also determines the contrast level. Based on an easy-to-use checklist you determine the right amount of ContrastBooster to be used. This ContrastBooster sets the grey level of the BaseCoat for the screen area.

Mighty Brighty offers a range from matt white to ultra grey (high contrast). All in the same package.

TopCoat + BrightnessBooster
After applying the BaseCoat, a TopCoat is required. Using the same handy checklist, you determine the amount of BrightnessBooster, which sets the gain value for the TopCoat. Mighty Brighty offers a gain range from 0,9 up to 1,4, depending on the amount of light the projector emits and some other criteria.

MagneBorder
The unique MagneBorder is optionally available. This border greatly heightens the contrast perception of images on the screen. A magnetic paint must be applied prior to the BaseCoat and TopCoat. The magnetic borders can be easily placed and removed from the projection area. When the MagneBorder is removed, all you see is a clear white or light grey wall.

This kit is the MPW 20 Tailor-made Screen & Border Kit for 6 m² (64 sq.ft.) of projection screen. The MPW 20 kit includes BaseCoat with ContrastBooster, TopCoat with BrightnessBooster and MagneCoat with MagneBorder. All the required tools are included as well.

Contains:

- 1.4 litre BaseCoat
- 0.1 litre ContrastBooster for BaseCoat
- 0.9 litre TopCoat
- 0.1 litre BrightnessBooster for TopCoat
- 0.4 litre MagneCoat
- 10 metres / 32.8 ft. of MagneBorder (width 5.5cm / 2.2") includes all necessary tools.

(other Mighty Brighty kits and accessories are available – please see keene.co.uk for details.

Code MPW20 Paint & Border Kit **£169.00**

Also available **MPW10** Standard Kit, contains Contains 1 BaseCoat (Light Grey) & 1 TopCoat (Brightness / Gain 1.1) **£84.00**

Remote Control Mains Socket Set

A really easy way to automate your home, use for table lamps, fans, heaters, anything you like really!

The set contains one remote control and three plug in switches. The plug in switches also have a manual on/off button and LED status indication.

- Up to 30m range
- Remote control push buttons and sockets are numbered eg. Button 1 operates socket 1 only
- Manual On/Off switch with LED indicator
- Remote battery (A23A) supplied
- Mains power LED indicator

Specifications:

- Power supply: 230Vac, 50Hz
- Power (max): 13A/2990W
- Dimensions (per plug in module): 46 x 72 x 140mm

Code RCS3	3 way	**£14.99**
Code RCS5	5 way	**£24.99**

Digital TV Anywhere

Digital wireless sender for all your Digital TV Channels.

Features:

- Watch digital TV far away from the decoder
- Watch and operate the digital TV channels from your decoder anywhere
- Extra functionality such as Video on Demand, Pay TV, Electronic Programme Guide, Time Shift and Digital Video Recorder (DVR) also remain available and usable
- Place your TV wherever you want, without having to consider the location of the aerial or satellite connection and without laying cables or drilling holes
- Retain original sound and picture quality as a result of digital transmission

Set Contents:

- 1 A/V Transmitter
- 1 A/V Receiver
- 2 Power adapters
- 1 IR Extender cable
- 2 SCART cables
- 2 Stands
- 1 User manual

Code DTVA **£115.16**

The set comprises a transmitter and a receiver. Connect the transmitter to the SCART output on your decoder that is connected to the aerial or satellite connection. Then connect the receiver to the TV. The set sends on the picture, sound and commands from your remote control wirelessly.

CELESTRON DIGITAL MICROSCOPE

A great product for education, discovery, work and fun. This innovative microscope design allows you to view specimens or objects on a computer screen and allows you to take snapshot images or short videos. A rugged, metal stand is included for holding the microscope steady at various positions for viewing and/or imaging.

The microscope is ideally suited for examining objects such as coins, stamps, rocks, relics, insects, plants, gems, circuit boards, various materials, skin, and many other objects. Also, you can examine specimen slides at low and high powers.

Specifications:

- Handheld Digital Microscope Powered by a 2.0 USB Cable
- Digital Camera - built-in 2MP for Snapshot Images and Videos
- Power - 10x to 40x and 150x
- LED Illumination

Code CDM **£45.00**